

VZCA2.E320116

Surge-protective Devices - Component

Page Bottom

Surge-protective Devices - Component

[See General Information for Surge-protective Devices - Component](#)

LITTELFUSE INC

E320116

SUITE 500

8755 W HIGGINS RD

CHICAGO, IL 60631 USA

Effective until March 11, 2016

Surge-protective device, Type 4, For use in SPD Type 2 applications, "Gas Tubes", Cat No. P40A70(h), P40A90(h), P40A150(h), P40A1500(h), P60A70C(h), P60A90C(h), P60A1500C(h), P80A70E(h), P80A90E(h), P80A150E(h), P80A250E(h), P80A350E(h), P80A500E(h), P80A600E(h), P100A70D(h), P100A90D(h), P100A1500D(h)

Effective May 3, 2010

Cat No.	SPD Type	Volts (V)	AC/DC/DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
AK6-430C	5	277	AC	1	n/a	-	85	Ld-Ld	-	700	277	n/a	5	n/a	1
CG21000L+	5	380	AC	1	N/A	-	85	Ld-Ld	-	1710	380	n/a	3	N/A	1,3
CG2800L+	5	380	AC	1	N/A	-	85	Ld-Ld	-	1650	380	n/a	3	N/A	1,3
CG33.5L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	4430	475	n/a	3	N/A	1,3
CG34.0L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	5080	475	n/a	5	N/A	1,3
CG34.5L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	5710	475	n/a	5	N/A	1,3
CG35.0L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	6050	475	n/a	5	N/A	1,3
CG36.2L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	8270	475	n/a	5	N/A	1,3
CG36.5L+	5	475	AC	1	N/A	-	85	Ld-Ld	-	7820	475	n/a	5	N/A	1,3
CG40.8* (@)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1500	300	n/a	3	n/a	1,3
CG41.0* (@)	5	400	AC	1	n/a	-	85	Ld-Ld	-	1860	400	n/a	3	n/a	1,3
CG41.2* (@)	5	400	AC	1	n/a	-	85	Ld-Ld	-	1960	400	n/a	3	n/a	1,3
CG41.8* (@)	5	600	AC	1	n/a	-	85	Ld-Ld	-	3020	600	n/a	3	n/a	1,3
CG42.0* (@)	5	600	AC	1	n/a	-	85	Ld-Ld	-	3060	600	n/a	3	n/a	1,3
CG42.5* (@)	5	600	AC	1	n/a	-	85	Ld-Ld	-	3330	600	n/a	3	n/a	1,3
CG42.7* (@)	5	600	AC	1	n/a	-	85	Ld-Ld	-	3550	600	n/a	3	n/a	1,3
CG43.0* (@)	5	600	AC	1	n/a	-	85	Ld-Ld	-	3890	600	n/a	3	n/a	1,3
LSP03048NP+	5	48	DC	-	n/a	-	85	DC+- DC- DC+- G DC--G	- - - - -	210 450 450	68 170 170	n/a n/a n/a	3	n/a	1
LSP05120NP*	5	120	AC	1	n/a	-	85	L-N L-G N-G	- - -	570 610 590	150 150 150	n/a n/a n/a	5	n/a	1
LSP05120NPX3316 (h)	5	120	AC	1	N/A	-	85	Ld-Ld	-	570	150	-	5	N/A	1
LSP05120P (h)	4CA	120	AC	1	n/a	-	85	L-N L-G N-G	- - -	680 680 630	150 150 150	n/a n/a n/a	5	n/a	1
LSP05120PX3316 (h)	4CA	120	AC	1	N/A	-	85	Ld-Ld	-	680	150	-	5	N/A	1
LSP05240LLNP*	5	240/120	AC	1S	n/a	-	85	L-L L-G	- -	920 610	275 150	n/a n/a	5	n/a	1

LSP05240LLP (h)	4CA	240/120	AC	1S	n/a	-	85	L-L L-G	- -	1070 680	275 150	n/a n/a	5	n/a	1
LSP05240NP*	5	240	AC	1	n/a	-	85	L-N L-G N-G	- - -	920 950 940	275 275 275	n/a n/a n/a	5	n/a	1
LSP05240NPX3316 (h)	5	240	AC	1	N/A	-	85	Ld-Ld	-	920	275	-	5	N/A	1
LSP05240P (h)	4CA	240	AC	1	n/a	-	85	L-N L-G N-G	- - -	1070 1050 1020	275 275 275	n/a n/a n/a	5	n/a	1
LSP05240PX3316 (h)	4CA	240	AC	1	N/A	-	85	Ld-Ld	-	1070	275	-	5	N/A	1
LSP05277NP*	5	277	AC	1	n/a	-	85	L-N L-G N-G	- - -	1050 1110 1090	320 320 320	n/a n/a n/a	5	n/a	1
LSP05277NPX3316 (h)	5	277	AC	1	N/A	-	85	Ld-Ld	-	1050	320	-	5	N/A	1
LSP05277P (h)	4CA	277	AC	1	n/a	-	85	L-N L-G N-G	- - -	1260 1280 1220	320 320 320	n/a n/a n/a	5	n/a	1
LSP05277PX3316 (h)	4CA	277	AC	1	N/A	-	85	Ld-Ld	-	1260	320	-	5	N/A	1
LSP05347NP*	5	347	AC	1	n/a	-	85	L-N L-G N-G	- - -	1380 1400 1420	420 420 420	n/a n/a n/a	5	n/a	1
LSP05347NPX3316 (h)	5	347	AC	1	N/A	-	85	Ld-Ld	-	1380	420	-	5	N/A	1
LSP05347P (h)	4CA	347	AC	1	n/a	-	85	L-N L-G N-G	- - -	1590 1590 1570	420 420 420	n/a n/a n/a	5	n/a	1
LSP05347PX3316 (h)	4CA	347	AC	1	N/A	-	85	Ld-Ld	-	1590	420	-	5	N/A	1
LSP05480LLNP*	5	480/277	AC	3Y	n/a	-	85	L-L L-G	- -	1740 1110	510 320	n/a n/a	5	n/a	1
LSP05480LLP (h)	4CA	480/277	AC	3Y	n/a	-	85	L-L L-G	- -	1780 1280	510 320	n/a n/a	5	n/a	1
LSP05480NP*	5	480	AC	1	n/a	-	85	L-N L-G N-G	- - -	1740 1790 1760	510 510 510	n/a n/a n/a	5	n/a	1
LSP05480NPX3316 (h)	5	480	AC	1	N/A	-	85	Ld-Ld	-	1740	510	-	5	N/A	1
LSP05480P (h)	4CA	480	AC	1	n/a	-	85	L-N L-G N-G	- - -	1780 1800 1740	510 510 510	n/a n/a n/a	5	n/a	1
LSP05480PX3316 (h)	4CA	480	AC	1	N/A	-	85	Ld-Ld	-	1780	510	-	5	N/A	1
LSP05G120P+	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	600 1410 1410	150 150 150	n/a n/a n/a	5	n/a	2
LSP05G120PX3316 (h)	4CA	120	AC	1	n/a	-40	85	Ld-Ld	-	600	150	n/a	5	n/a	2
LSP05G120S+	4CA	120	AC	1	5	-40	25	L-N L-G N-G	- - -	600 1410 1410	150 150 150	n/a n/a n/a	5	n/a	2
LSP05G120SX3316 (h)	4CA	120	AC	1	5	-40	25	Ld-Ld	-	600	150	n/a	5	n/a	2
LSP05G240P+	4CA	240	AC	1	n/a	-40	85	L-N L-G N-G	- - -	970 1410 1410	275 275 275	n/a n/a n/a	5	n/a	2
LSP05G240PX3316 (h)	4CA	240	AC	1	n/a	-40	85	Ld-Ld	-	970	275	n/a	5	n/a	2
LSP05G240S+	4CA	240	AC	1	5	-40	25	L-N L-G N-G	- - -	970 1410 1410	275 275 275	n/a n/a n/a	5	n/a	2
LSP05G240SX3316 (h)	4CA	240	AC	1	5	-40	25	Ld-Ld	-	970	275	n/a	5	n/a	2
LSP05G277P	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1270 1400 1510	320 320 320	N/A N/A N/A	5	N/A	2
LSP05G277PX3316	4CA	277	AC	1	N/A	-40	85	L-N	-	1270	320	N/A	5	N/A	2
LSP05G277S	4CA	277	AC	1	3.5	-40	40	L-N L-G N-G	- - -	1270 1400 1510	320 320 320	N/A N/A N/A	5	N/A	2,4

LSP05G277SX3316	4CA	277	AC	1	3.5	-40	40	L-N	-	1270	320	N/A	5	N/A	2,4
LSP05GI120P	4CA	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	650 1280 1230	150 150 150	N/A N/A N/A	5	N/A	2
LSP05GI120PH	4CA	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	650 3150 3210	150 150 150	N/A N/A N/A	5	N/A	2
LSP05GI120PX3316	4CA	120	AC	1	N/A	-40	85	L-N	-	650	150	N/A	5	N/A	2
LSP05GI120S	4CA	120	AC	1	3.5	-40	40	L-N L-G N-G	- - -	650 1280 1230	150 150 150	N/A N/A N/A	5	N/A	2,4
LSP05GI120SH	4CA	120	AC	1	3.5	-40	40	L-N L-G N-G	- - -	650 3150 3210	150 150 150	N/A N/A N/A	5	N/A	2,4
LSP05GI120SX3316	4CA	120	AC	1	3.5	-40	40	L-N	-	650	150	N/A	5	N/A	2,4
LSP05GI240P	4CA	240	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 1230 1340	275 275 275	N/A N/A N/A	5	N/A	2
LSP05GI240PH	4CA	240	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 3170 3430	275 275 275	N/A N/A N/A	5	N/A	2
LSP05GI240PX3316	4CA	240	AC	1	N/A	-40	85	L-N	-	1080	275	N/A	5	N/A	2
LSP05GI240S	4CA	240	AC	1	3.5	-40	40	L-N L-G N-G	- - -	1080 1230 1340	275 275 275	N/A N/A N/A	5	N/A	2,4
LSP05GI240SH	4CA	240	AC	1	3.5	-40	40	L-N L-G N-G	- - -	1080 3170 3430	275 275 275	N/A N/A N/A	5	N/A	2,4
LSP05GI240SX3316	4CA	240	AC	1	3.5	-40	40	L-N	-	1080	275	N/A	5	N/A	2,4
LSP05GI277P	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1260 1260 1300	320 320 320	N/A N/A N/A	5	N/A	2
LSP05GI277PH	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1260 3160 3310	320 320 320	N/A N/A N/A	5	N/A	2
LSP05GI277PX3316	4CA	277	AC	1	N/A	-40	85	L-N	-	1260	320	N/A	5	N/A	2
LSP05GI277S	4CA	277	AC	1	3.5	-40	40	L-N L-G N-G	- - -	1260 1260 1300	320 320 320	N/A N/A N/A	5	N/A	2,4
LSP05GI277SH	4CA	277	AC	1	3.5	-40	40	L-N L-G N-G	- - -	1260 3160 3310	320 320 320	N/A N/A N/A	5	N/A	2,4
LSP05GI277SX3316	4CA	277	AC	1	3.5	-40	40	L-N	-	1260	320	N/A	5	N/A	2,4
LSP05HST277 (h)	5	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1230 1380 1360	320 320 320	n/a n/a n/a	5	n/a	1
LSP10120P (h)	4CA	120	AC	1	n/a	-	85	L-N L-G N-G	- - -	740 740 670	150 150 150	n/a n/a n/a	10	n/a	1
LSP10120PX3316 (h)	4CA	120	AC	1	N/A	-	85	Ld-Ld	-	740	150	-	10	N/A	1
LSP10120S (h)	4CA	120	AC	1	5	-	85	L-N L-G N-G	- - -	740 740 670	150 150 150	n/a n/a n/a	10	n/a	1
LSP10120SA (h)	4CA	120	AC	1	5	-	85	L-N L-G N-G	- - -	740 740 670	150 150 150	n/a n/a n/a	10	n/a	1
LSP10120SAX3316 (h)	4CA	120	AC	1	5	-	85	Ld-Ld	-	740	150	-	10	N/A	1
LSP10120SX3316 (h)	4CA	120	AC	1	5	-	85	Ld-Ld	-	740	150	-	10	N/A	1
LSP10240LLP (h)	4CA	240/120	AC	1S	n/a	-	85	L-L L-N	- -	1130 740	275 150	n/a n/a	10	n/a	1
LSP10240LLS (h)	4CA	240/120	AC	1S	5	-	85	L-L L-N	- -	1260 740	275 150	n/a n/a	10	n/a	1
LSP10240LLSA (h)	4CA	240/120	AC	1S	5	-	85	L-L	-	1260	275	n/a	10	n/a	1

								L-G	-	740	150	n/a			
									-	2020	510	n/a			
									-	1960	510	n/a			
LSP10240P (h)	4CA	240	AC	1	n/a	-	85	L-N	-	1130	275	n/a	10	n/a	1
								L-G	-	1130	275	n/a			
								N-G	-	1060	275	n/a			
LSP10240PX3316 (h)	4CA	240	AC	1	N/A	-	85	Ld-Ld	-	1130	275	-	10	N/A	1
LSP10240S (h)	4CA	240	AC	1	5	-	85	L-N	-	1130	275	n/a	10	n/a	1
								L-G	-	1130	275	n/a			
								N-G	-	1060	275	n/a			
LSP10240SA (h)	4CA	240	AC	1	5	-	85	L-N	-	1130	275	n/a	10	n/a	1
								L-G	-	1130	275	n/a			
								N-G	-	1060	275	n/a			
LSP10240SAX3316 (h)	4CA	240	AC	1	5	-	85	Ld-Ld	-	1130	275	-	10	N/A	1
LSP10240SX3316 (h)	4CA	240	AC	1	5	-	85	Ld-Ld	-	1130	275	-	10	N/A	1
LSP10277P (h)	4CA	277	AC	1	n/a	-	85	L-N	-	1330	320	n/a	10	n/a	1
								L-G	-	1330	320	n/a			
								N-G	-	1260	320	n/a			
LSP10277PX3316 (h)	4CA	277	AC	1	N/A	-	85	Ld-Ld	-	1330	320	-	10	N/A	1
LSP10277S (h)	4CA	277	AC	1	5	-	85	L-N	-	1330	320	n/a	10	n/a	1
								L-G	-	1330	320	n/a			
								N-G	-	1260	320	n/a			
LSP10277SA (h)	4CA	277	AC	1	5	-	85	L-N	-	1330	320	n/a	10	n/a	1
								L-G	-	1330	320	n/a			
								N-G	-	1260	320	n/a			
LSP10277SAX3316 (h)	4CA	277	AC	1	5	-	85	Ld-Ld	-	1330	320	-	10	N/A	1
LSP10277SX3316 (h)	4CA	277	AC	1	5	-	85	Ld-Ld	-	1330	320	-	10	N/A	1
LSP10347P (h)	4CA	347	AC	1	n/a	-	85	L-N	-	1750	420	n/a	10	n/a	1
								L-G	-	1750	420	n/a			
								N-G	-	1680	420	n/a			
LSP10347PX3316 (h)	4CA	347	AC	1	N/A	-	85	Ld-Ld	-	1750	420	-	10	N/A	1
LSP10347S (h)	4CA	347	AC	1	5	-	85	L-N	-	1750	420	n/a	10	n/a	1
								L-G	-	1750	420	n/a			
								N-G	-	1680	420	n/a			
LSP10347SA (h)	4CA	347	AC	1	5	-	85	L-N	-	1750	420	n/a	10	n/a	1
								L-G	-	1750	420	n/a			
								N-G	-	1680	420	n/a			
LSP10347SAX3316 (h)	4CA	347	AC	1	5	-	85	Ld-Ld	-	1750	420	-	10	N/A	1
LSP10347SX3316 (h)	4CA	347	AC	1	5	-	85	Ld-Ld	-	1750	420	-	10	N/A	1
LSP10480LLP (h)	4CA	480/277	AC	3Y	n/a	-	85	L-L	-	2020	510	n/a	10	n/a	1
								L-N	-	1330	320	n/a			
LSP10480LLS (h)	4CA	480/277	AC	3Y	5	-	85	L-L	-	2030	510	n/a	10	n/a	1
								L-N	-	1480	320	n/a			
LSP10480LLSA (h)	4CA	480/277	AC	3Y	5	-	85	L-L	-	2030	510	n/a	10	n/a	1
								L-G	-	1480	320	n/a			
									-	2020	510	n/a			
									-	1960	510	n/a			
LSP10480P (h)	4CA	480	AC	1	n/a	-	85	L-N	-	2020	510	n/a	10	n/a	1
								L-G	-	2020	510	n/a			
								N-G	-	1960	510	n/a			
LSP10480PX3316 (h)	4CA	480	AC	1	N/A	-	85	Ld-Ld	-	2020	510	-	10	N/A	1
LSP10480S (h)	4CA	480	AC	1	5	-	85	L-N	-	2020	510	n/a	10	n/a	1
								L-G	-	2020	510	n/a			
								N-G	-	1960	510	n/a			
LSP10480SA (h)	4CA	480	AC	1	5	-	85	L-N	-	2020	510	n/a	10	n/a	1
								L-G	-	2020	510	n/a			
								N-G	-	1960	510	n/a			
LSP10480SAX3316 (h)	4CA	480	AC	1	5	-	85	Ld-Ld	-	2020	510	-	10	N/A	1
LSP10480SX3316 (h)	4CA	480	AC	1	5	-	85	Ld-Ld	-	2020	510	-	10	N/A	1
LSP10GI120P	4CA	120	AC	1	N/A	-40	85	L-N	-	770	150	N/A	10	N/A	2
								L-G	-	1330	150	n/a			
								N-G	-	1570	150	n/a			

LSP10GI120PX3316	4CA	120	AC	1	n/a	-40	85	L-N	-	770	150	N/A	10	N/A	2
LSP10GI120S	4CA	120	AC	1	N/A	-40	40	L-N L-G N-G	- - -	770 1330 1570	150 150 150	N/A N/A N/A	10	N/A	2,4
LSP10GI120SX3316	4CA	120	AC	1	N/A	-40	40	L-N	-	770	150	N/A	10	N/A	2, 4
LSP10GI240P	4CA	240	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1190 1530 1570	275 275 275	N/A N/A N/A	10	N/A	2
LSP10GI240PX3316	4CA	240	AC	1	5	-40	85	L-N	-	1190	275	N/A	10	N/A	2
LSP10GI240S	4CA	240	AC	1	N/A	-40	40	L-N L-G N-G	- - -	1190 1530 1570	275 275 275	N/A N/A N/A	10	N/A	2,4
LSP10GI240SX3316	4CA	240	AC	1	N/A	-40	40	L-N	-	1190	275	N/A	10	N/A	2, 4
LSP10GI277P	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1360 1470 1570	320 320 320	N/A N/A N/A	10	N/A	2
LSP10GI277PX3316	4CA	277	AC	1	5	-40	85	L-N	-	1360	320	N/A	10	N/A	2
LSP10GI277S	4CA	277	AC	1	N/A	-40	40	L-N L-G N-G	- - -	1360 1470 1570	320 320 320	N/A N/A N/A	10	N/A	2,4
LSP10GI277SX3316	4CA	277	AC	1	N/A	-40	40	L-N	-	1360	320	N/A	10	N/A	2, 4
LSP10GI347P	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1750 1870 1570	420 420 420	N/A N/A N/A	10	N/A	2
LSP10GI347PX3316	4CA	347	AC	1	5	-40	85	L-N	-	1750	420	N/A	10	N/A	2
LSP10GI347S	4CA	347	AC	1	N/A	-40	40	L-N L-G N-G	- - -	1750 1870 1570	420 420 420	N/A N/A N/A	10	N/A	2,4
LSP10GI347SX3316	4CA	347	AC	1	N/A	-40	40	L-N	-	1750	420	N/A	10	N/A	2, 4
LSP10GI480P	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2070 2170 1570	510 510 510	N/A N/A N/A	10	N/A	2
LSP10GI480PX3316	4CA	480	AC	1	5	-40	85	L-N	-	2070	510	N/A	10	N/A	2
LSP10GI480S	4CA	480	AC	1	N/A	-40	40	L-N L-G N-G	- - -	2070 2170 1570	510 510 510	N/A N/A N/A	10	N/A	2,4
LSP10GI480SX3316	4CA	480	AC	1	N/A	-40	40	L-N	-	2070	510	N/A	10	N/A	2, 4
LSP10GIHP277S	4CA	277	AC	1	5	-40	75	L-N L-G N-G	- - -	810 1560 1570	320 320 320	n/a n/a n/a	10	N/A	2,4
LSP10GIHP277SX3316	4CA	277	AC	1	5	-40	75	L-N	-	810	320	N/A	10	N/A	2, 4
LSP10GIHP480S	4CA	480	AC	1	N/A	-40	40	L-N L-G N-G	- - -	1400 1560 1570	510 510 510	N/A N/A N/A	10	N/A	2,4
LSP10GIHP480SX3316	4CA	480	AC	1	5	-40	40	L-N	-	1400	510	N/A	10	N/A	2, 4
SMOV25S111MP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1240	115	182.5	10	n/a	1
SMOV25S111NP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1240	115	182.5	10	n/a	1
SMOV25S131MP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1300	130	206	10	n/a	1
SMOV25S131NP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1300	130	206	10	n/a	1
SMOV25S151MP+	4CA	130	AC	1	n/a	-	75	Ld-Ld	-	1430	150	240	10	n/a	1
SMOV25S151NP+	4CA	130	AC	1	n/a	-	75	Ld-Ld	-	1430	150	240	10	n/a	1
SMOV25S181MP+	4CA	150	AC	1	n/a	-	75	Ld-Ld	-	1530	180	283	10	n/a	1
SMOV25S181NP+	4CA	150	AC	1	n/a	-	75	Ld-Ld	-	1530	180	283	10	n/a	1
SMOV25S251MP+	4CA	220	AC	1	n/a	-	75	Ld-Ld	-	1600	250	391.5	10	n/a	1
SMOV25S251NP+	4CA	220	AC	1	n/a	-	75	Ld-Ld	-	1600	250	391.5	10	n/a	1
SMOV25S271MP+	4CA	240	AC	1	n/a	-	75	Ld-Ld	-	1710	275	431	10	n/a	1
SMOV25S271NP+	4CA	240	AC	1	n/a	-	75	Ld-Ld	-	1710	275	431	10	n/a	1

SMOV25S301MP+	4CA	254	AC	1	n/a	-	75	Ld-Ld	-	1910	300	480.5	10	n/a	1
SMOV25S301NP+	4CA	254	AC	1	n/a	-	75	Ld-Ld	-	1910	300	480.5	10	n/a	1
SMOV25S321MP+	4CA	277	AC	1	n/a	-	75	Ld-Ld	-	2070	320	511.5	10	n/a	1
SMOV25S321NP+	4CA	277	AC	1	n/a	-	75	Ld-Ld	-	2070	320	511.5	10	n/a	1
SMOV25S421MP+	4CA	347	AC	1	n/a	-	75	Ld-Ld	-	2240	420	679	10	n/a	1
SMOV25S421NP+	4CA	347	AC	1	n/a	-	75	Ld-Ld	-	2240	420	679	10	n/a	1
SMOV25S461MP+	4CA	415	AC	1	n/a	-	75	Ld-Ld	-	2370	460	712.5	10	n/a	1
SMOV25S461NP+	4CA	415	AC	1	n/a	-	75	Ld-Ld	-	2370	460	712.5	10	n/a	1
SMOV25S511MP+	4CA	440	AC	1	n/a	-	75	Ld-Ld	-	2520	510	822.5	10	n/a	1
SMOV25S511NP+	4CA	440	AC	1	n/a	-	75	Ld-Ld	-	2520	510	822.5	10	n/a	1
SMOV25S551MP+	4CA	480	AC	1	n/a	-	75	Ld-Ld	-	2670	550	854.5	10	n/a	1
SMOV25S551NP+	4CA	480	AC	1	n/a	-	75	Ld-Ld	-	2670	550	854.5	10	n/a	1
SMOV25S621MP+	4CA	550	AC	1	n/a	-	75	Ld-Ld	-	2880	620	977	10	n/a	1
SMOV25S621NP+	4CA	550	AC	1	n/a	-	75	Ld-Ld	-	2880	620	977	10	n/a	1
SMOV25S751MP+	4CA	600	AC	1	n/a	-	75	Ld-Ld	-	3250	750	1200	10	n/a	1
SMOV25S751NP+	4CA	600	AC	1	n/a	-	75	Ld-Ld	-	3250	750	1200	10	n/a	1
SMOV34S111MP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1860	115	182.5	20	n/a	1
SMOV34S111NP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1860	115	182.5	20	n/a	1
SMOV34S131MP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1920	130	206	20	n/a	1
SMOV34S131NP+	4CA	110	AC	1	n/a	-	75	Ld-Ld	-	1920	130	206	20	n/a	1
SMOV34S151MP+	4CA	130	AC	1	n/a	-	75	Ld-Ld	-	2000	150	240	20	n/a	1
SMOV34S151NP+	4CA	130	AC	1	n/a	-	75	Ld-Ld	-	2000	150	240	20	n/a	1
SMOV34S181MP+	4CA	150	AC	1	n/a	-	75	Ld-Ld	-	2100	180	283	20	n/a	1
SMOV34S181NP+	4CA	150	AC	1	n/a	-	75	Ld-Ld	-	2100	180	283	20	n/a	1
SMOV34S251MP+	4CA	220	AC	1	n/a	-	75	Ld-Ld	-	2330	250	391.5	20	n/a	1
SMOV34S251NP+	4CA	220	AC	1	n/a	-	75	Ld-Ld	-	2330	250	391.5	20	n/a	1
SMOV34S271MP+	4CA	240	AC	1	n/a	-	75	Ld-Ld	-	2480	275	431	20	n/a	1
SMOV34S271NP+	4CA	240	AC	1	n/a	-	75	Ld-Ld	-	2480	275	431	20	n/a	1
SMOV34S301MP+	4CA	254	AC	1	n/a	-	75	Ld-Ld	-	2670	300	480.5	20	n/a	1
SMOV34S301NP+	4CA	254	AC	1	n/a	-	75	Ld-Ld	-	2670	300	480.5	20	n/a	1
SMOV34S321MP+	4CA	277	AC	1	n/a	-	75	Ld-Ld	-	2780	320	511.5	20	n/a	1
SMOV34S321NP+	4CA	277	AC	1	n/a	-	75	Ld-Ld	-	2780	320	511.5	20	n/a	1
SMOV34S421MP+	4CA	347	AC	1	n/a	-	75	Ld-Ld	-	2900	420	679	20	n/a	1
SMOV34S421NP+	4CA	347	AC	1	n/a	-	75	Ld-Ld	-	2900	420	679	20	n/a	1
SMOV34S461MP+	4CA	415	AC	1	n/a	-	75	Ld-Ld	-	3000	460	712.5	10	n/a	1
SMOV34S461NP+	4CA	415	AC	1	n/a	-	75	Ld-Ld	-	3000	460	712.5	10	n/a	1
SMOV34S511MP+	4CA	440	AC	1	n/a	-	75	Ld-Ld	-	3030	510	822.5	10	n/a	1
SMOV34S511NP+	4CA	440	AC	1	n/a	-	75	Ld-Ld	-	3030	510	822.5	10	n/a	1
SMOV34S551MP+	4CA	480	AC	1	n/a	-	75	Ld-Ld	-	3040	550	854.5	10	n/a	1
SMOV34S551NP+	4CA	480	AC	1	n/a	-	75	Ld-Ld	-	3040	550	854.5	10	n/a	1
SMOV34S621MP+	4CA	550	AC	1	n/a	-	75	Ld-Ld	-	3080	620	977	10	n/a	1
SMOV34S621NP+	4CA	550	AC	1	n/a	-	75	Ld-Ld	-	3080	620	977	10	n/a	1
SMOV34S751MP+	4CA	600	AC	1	n/a	-	75	Ld-Ld	-	3140	750	1200	10	n/a	1
SMOV34S751NP+	4CA	600	AC	1	n/a	-	75	Ld-Ld	-	3140	750	1200	10	n/a	1
TMOV14RP115 (d)	4CA	100	AC	1	n/a	-	85	Ld-Ld	-	520	115	180	3	n/a	1

TMOV14RP130 (d)	4CA	110	AC	1	n/a	-	85	Ld-Ld	-	570	130	205	3	n/a	1
TMOV14RP140 (d)	4CA	120	AC	1	n/a	-	85	Ld-Ld	-	630	140	220	3	n/a	1
TMOV14RP150 (d)	4CA	130	AC	1	n/a	-	85	Ld-Ld	-	700	150	240	3	n/a	1
TMOV14RP175 (d)	4CA	150	AC	1	n/a	-	85	Ld-Ld	-	810	175	270	3	n/a	1
TMOV14RP200 (d)	4CA	170	AC	1	n/a	-	85	Ld-Ld	-	820	200	312.5	3	n/a	1
TMOV14RP230 (d)	4CA	200	AC	1	n/a	-	85	Ld-Ld	-	850	230	360	3	n/a	1
TMOV14RP250 (d)	4CA	210	AC	1	n/a	-	85	Ld-Ld	-	930	250	390	3	n/a	1
TMOV14RP275 (d)	4CA	230	AC	1	n/a	-	85	Ld-Ld	-	1040	275	430	3	n/a	1
TMOV14RP300 (d)	4CA	250	AC	1	n/a	-	85	Ld-Ld	-	1190	300	470	3	n/a	1
TMOV14RP320 (d)	4CA	270	AC	1	n/a	-	85	Ld-Ld	-	1340	320	510	3	n/a	1
TMOV14RP385 (d)	4CA	320	AC	1	n/a	-	85	Ld-Ld	-	1740	385	620	3	n/a	1
TMOV14RP420 (d)	4CA	360	AC	1	n/a	-	85	Ld-Ld	-	1950	420	680	3	n/a	1
TMOV14RP460 (d)	4CA	390	AC	1	n/a	-	85	Ld-Ld	-	2000	460	750	3	n/a	1
TMOV14RP510 (d)	4CA	430	AC	1	n/a	-	85	Ld-Ld	-	2050	510	820	3	n/a	1
TMOV14RP550 (d)	4CA	470	AC	1	n/a	-	85	Ld-Ld	-	2110	550	910	3	n/a	1
TMOV14RP575 (d)	4CA	490	AC	1	n/a	-	85	Ld-Ld	-	2130	575	952	3	n/a	1
TMOV14RP625 (d)	4CA	530	AC	1	n/a	-	85	Ld-Ld	-	2160	625	1000	3	n/a	1
TMOV14RP750 (d)	4CA	640	AC	1	n/a	-	85	Ld-Ld	-	2610	750	1200	3	n/a	1
TMOV20RP115 (d)	4CA	115	AC	1	n/a	-	85	Ld-Ld	-	390	115	n/a	5	n/a	1
TMOV20RP130 (d)	4CA	130	AC	1	n/a	-	85	Ld-Ld	-	450	130	n/a	5	n/a	1
TMOV20RP140 (d)	4CA	140	AC	1	n/a	-	85	Ld-Ld	-	520	140	220	5	n/a	1
TMOV20RP150 (d)	4CA	150	AC	1	n/a	-	85	Ld-Ld	-	620	150	240	5	n/a	1
TMOV20RP175 (d)	4CA	175	AC	1	n/a	-	85	Ld-Ld	-	750	175	270	5	n/a	1
TMOV20RP200 (d)	4CA	200	AC	1	n/a	-	85	Ld-Ld	-	760	200	313	5	n/a	1
TMOV20RP230 (d)	4CA	230	AC	1	n/a	-	85	Ld-Ld	-	790	230	360	5	n/a	1
TMOV20RP250 (d)	4CA	250	AC	1	n/a	-	85	Ld-Ld	-	880	250	390	5	n/a	1
TMOV20RP275 (d)	4CA	275	AC	1	n/a	-	85	Ld-Ld	-	970	275	430	5	n/a	1
TMOV20RP300 (d)	4CA	300	AC	1	n/a	-	85	Ld-Ld	-	1050	300	470	5	n/a	1
TMOV20RP320 (d)	4CA	320	AC	1	n/a	-	85	Ld-Ld	-	1140	320	510	5	n/a	1
TMOV20RP385 (d)	4CA	385	AC	1	n/a	-	85	Ld-Ld	-	1360	385	620	5	n/a	1
TMOV20RP420 (d)	4CA	420	AC	1	n/a	-	85	Ld-Ld	-	1450	420	680	5	n/a	1
TMOV20RP460 (d)	4CA	460	AC	1	n/a	-	85	Ld-Ld	-	1650	460	750	5	n/a	1
TMOV20RP510 (d)	4CA	510	AC	1	n/a	-	85	Ld-Ld	-	1840	510	820	5	n/a	1
TMOV20RP550 (d)	4CA	550	AC	1	n/a	-	85	Ld-Ld	-	2020	550	910	5	n/a	1
TMOV20RP575 (d)	4CA	575	AC	1	n/a	-	85	Ld-Ld	-	2100	575	952	5	n/a	1
TMOV20RP625 (d)	4CA	625	AC	1	n/a	-	85	Ld-Ld	-	2190	625	1000	5	n/a	1
TMOV20RP750 (d)	4CA	750	AC	1	n/a	-	85	Ld-Ld	-	2640	750	1200	5	n/a	1
TMOV25SP115 (d)	4CA	115	AC	1	n/a	-	85	Ld-Ld	-	720	115	180	10	n/a	1
TMOV25SP130 (d)	4CA	130	AC	1	n/a	-	85	Ld-Ld	-	770	130	205	10	n/a	1
TMOV25SP140 (d)	4CA	140	AC	1	n/a	-	85	Ld-Ld	-	800	140	220	10	n/a	1
TMOV25SP150 (d)	4CA	150	AC	1	n/a	-	85	Ld-Ld	-	830	150	240	10	n/a	1
TMOV25SP175 (d)	4CA	175	AC	1	n/a	-	85	Ld-Ld	-	880	175	270	10	n/a	1
TMOV25SP200 (d)	4CA	200	AC	1	n/a	-	85	Ld-Ld	-	960	200	312.5	10	n/a	1
TMOV25SP230 (d)	4CA	230	AC	1	n/a	-	85	Ld-Ld	-	1040	230	360	10	n/a	1
TMOV25SP250 (d)	4CA	250	AC	1	n/a	-	85	Ld-Ld	-	1120	250	390	10	n/a	1
TMOV25SP275 (d)	4CA	275	AC	1	n/a	-	85	Ld-Ld	-	1210	275	430	10	n/a	1

TMOV25SP300 (d)	4CA	300	AC	1	n/a	-	85	Ld-Ld	-	1310	300	470	10	n/a	1
TMOV25SP320 (d)	4CA	320	AC	1	n/a	-	85	Ld-Ld	-	1410	320	510	10	n/a	1
TMOV25SP330 (d)	4CA	330	AC	1	n/a	-	85	Ld-Ld	-	1450	330	525.5	10	n/a	1
TMOV25SP385 (d)	4CA	385	AC	1	n/a	-	85	Ld-Ld	-	1690	385	620	10	n/a	1
TMOV25SP420 (d)	4CA	420	AC	1	n/a	-	85	Ld-Ld	-	1830	420	680	10	n/a	1
TMOV25SP440 (d)	4CA	440	AC	1	n/a	-	85	Ld-Ld	-	1920	440	715	10	n/a	1
TMOV25SP460 (d)	4CA	460	AC	1	n/a	-	85	Ld-Ld	-	2010	460	744.5	10	n/a	1
TMOV25SP510 (d)	4CA	510	AC	1	n/a	-	85	Ld-Ld	-	2190	510	822.5	10	n/a	1
TMOV25SP550 (d)	4CA	550	AC	1	n/a	-	85	Ld-Ld	-	2420	550	910	10	n/a	1
TMOV25SP575 (d)	4CA	575	AC	1	n/a	-	85	Ld-Ld	-	2530	575	951.5	10	n/a	1
TMOV25SP625 (d)	4CA	625	AC	1	n/a	-	85	Ld-Ld	-	2650	625	1000	10	n/a	1
TMOV25SP750 (d)	4CA	750	AC	1	n/a	-	85	Ld-Ld	-	3160	750	1200	10	n/a	1
TMOV34S111 (f)	4CA	115	AC	1	n/a	-	85	Ld-Ld	-	720	115	182.5	20	n/a	1
TMOV34S131 (f)	4CA	130	AC	1	n/a	-	85	Ld-Ld	-	790	130	206	20	n/a	1
TMOV34S141 (f)	4CA	140	AC	1	n/a	-	85	Ld-Ld	-	830	140	223	20	n/a	1
TMOV34S151 (f)	4CA	150	AC	1	n/a	-	85	Ld-Ld	-	880	150	240	20	n/a	1
TMOV34S181 (f)	4CA	180	AC	1	n/a	-	85	Ld-Ld	-	990	180	283	20	n/a	1
TMOV34S201 (f)	4CA	200	AC	1	n/a	-	85	Ld-Ld	-	1090	200	320	20	n/a	1
TMOV34S251 (f)	4CA	250	AC	1	n/a	-	85	Ld-Ld	-	1270	250	391.5	20	n/a	1
TMOV34S271 (f)	4CA	275	AC	1	n/a	-	85	Ld-Ld	-	1320	275	431	20	n/a	1
TMOV34S301 (f)	4CA	300	AC	1	n/a	-	85	Ld-Ld	-	1370	300	480.5	20	n/a	1
TMOV34S321 (f)	4CA	320	AC	1	n/a	-	85	Ld-Ld	-	1410	320	511.5	20	n/a	1
TMOV34S331 (f)	4CA	330	AC	1	n/a	-	85	Ld-Ld	-	1430	330	528.5	20	n/a	1
TMOV34S351 (f)	4CA	350	AC	1	n/a	-	85	Ld-Ld	-	1460	350	560.5	20	n/a	1
TMOV34S391 (f)	4CA	385	AC	1	n/a	-	85	Ld-Ld	-	1680	385	616.5	20	n/a	1
TMOV34S421 (f)	4CA	420	AC	1	n/a	-	85	Ld-Ld	-	1920	420	679	20	n/a	1
TMOV34S461 (f)	4CA	460	AC	1	n/a	-	85	Ld-Ld	-	2020	460	712.5	20	n/a	1
TMOV34S481 (f)	4CA	480	AC	1	n/a	-	85	Ld-Ld	-	2110	480	747.5	20	n/a	1
TMOV34S511 (f)	4CA	510	AC	1	n/a	-	85	Ld-Ld	-	2310	510	822.5	20	n/a	1
TMOV34S551 (f)	4CA	550	AC	1	n/a	-	85	Ld-Ld	-	2380	550	854.5	20	n/a	1
TMOV34S571 (f)	4CA	575	AC	1	n/a	-	85	Ld-Ld	-	2460	575	902.5	20	n/a	1
TMOV34S621 (f)	4CA	580	AC	1	n/a	-	85	Ld-Ld	-	2600	620	977	20	n/a	1
TMOV34S661 (f)	4CA	590	AC	1	n/a	-	85	Ld-Ld	-	2740	660	1050	20	n/a	1
TMOV34S681 (f)	4CA	590	AC	1	n/a	-	85	Ld-Ld	-	2810	680	1088	20	n/a	1
TMOV34S751 (f)	4CA	600	AC	1	n/a	-	85	Ld-Ld	-	3010	750	1200	20	n/a	1
V07E130 (c)	5	130	AC	1	n/a	-	85	Ld-Ld	-	460	130	205	0.5	n/a	1
V07E130P (c)	5	130	AC	1	n/a	-	85	Ld-Ld	-	460	130	205	0.5	n/a	1
V07E140 (c)	5	140	AC	1	n/a	-	85	Ld-Ld	-	540	140	221	0.5	n/a	1
V07E140P (c)	5	140	AC	1	n/a	-	85	Ld-Ld	-	540	140	221	0.5	n/a	1
V07E150 (c)	5	150	AC	1	n/a	-	85	Ld-Ld	-	610	150	241	0.5	n/a	1
V07E150P (c)	5	150	AC	1	n/a	-	85	Ld-Ld	-	610	150	241	0.5	n/a	1
V07E175 (c)	5	175	AC	1	n/a	-	85	Ld-Ld	-	690	175	271	0.5	n/a	1
V07E175P (c)	5	175	AC	1	n/a	-	85	Ld-Ld	-	690	175	271	0.5	n/a	1
V07E230 (c)	5	230	AC	1	n/a	-	85	Ld-Ld	-	760	230	361	0.5	n/a	1
V07E230P (c)	5	230	AC	1	n/a	-	85	Ld-Ld	-	760	230	361	0.5	n/a	1

V07E250 (c)	5	250	AC	1	n/a	-	85	Ld-Ld	-	830	250	391	0.5	n/a	1
V07E250P (c)	5	250	AC	1	n/a	-	85	Ld-Ld	-	830	250	391	0.5	n/a	1
V07E275 (c)	5	275	AC	1	n/a	-	85	Ld-Ld	-	930	275	431	0.5	n/a	1
V07E275P (c)	5	275	AC	1	n/a	-	85	Ld-Ld	-	930	275	431	0.5	n/a	1
V07E300 (c)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1030	300	471	0.5	n/a	1
V07E300P (c)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1030	300	471	0.5	n/a	1
V07E320 (c)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1130	320	511	0.5	n/a	1
V07E320P (c)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1130	320	511	0.5	n/a	1
V07E385 (c)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1220	385	621	0.5	n/a	1
V07E385P (c)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1220	385	621	0.5	n/a	1
V07E420 (c)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1320	420	681	0.5	n/a	1
V07E420P (c)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1320	420	681	0.5	n/a	1
V07E440 (c)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1420	440	715	0.5	n/a	1
V07E440P (c)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1420	440	715	0.5	n/a	1
V07E460 (c)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1520	460	751	0.5	n/a	1
V07E460P (c)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1520	460	751	0.5	n/a	1
V07E510 (c)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1610	510	821	0.5	n/a	1
V07E510P (c)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1610	510	821	0.5	n/a	1
V1000LA160#PW(k)	5	1000	AC	1	n/a	-	85	Ld-Ld	-	2940	1000	1512	3	n/a	1
V1000LA80#P(k)	5	1000	AC	1	n/a	-	85	Ld-Ld	-	3080	1000	1650	2	n/a	1
V1000LA80#PW(k)	5	1000	AC	1	n/a	-	85	Ld-Ld	-	3230	1000	1650	2	n/a	1
V100ZA05 (b)	5	60	AC	1	n/a	-	85	Ld-Ld	-	210	60	103.5	0.1	n/a	1
V100ZA15 (b)	5	60	AC	1	n/a	-	85	Ld-Ld	-	310	60	100	2	n/a	1
V100ZA20 (b)	5	60	AC	1	n/a	-	85	Ld-Ld	-	340	60	100	3	n/a	1
V100ZA3 (b)	5	60	AC	1	n/a	-	85	Ld-Ld	-	250	60	100	0.5	n/a	1
V100ZA4 (b)	5	60	AC	1	n/a	-	85	Ld-Ld	-	280	60	100	1	n/a	1
V10E130 (c)	5	130	AC	1	n/a	-	85	Ld-Ld	-	540	130	205	1.5	n/a	1
V10E130P (c)	5	130	AC	1	n/a	-	85	Ld-Ld	-	540	130	205	1.5	n/a	1
V10E140 (c)	5	140	AC	1	n/a	-	85	Ld-Ld	-	630	140	221	1.5	n/a	1
V10E140P (c)	5	140	AC	1	n/a	-	85	Ld-Ld	-	630	140	221	1.5	n/a	1
V10E150 (c)	5	150	AC	1	n/a	-	85	Ld-Ld	-	710	150	241	1.5	n/a	1
V10E150P (c)	5	150	AC	1	n/a	-	85	Ld-Ld	-	710	150	241	1.5	n/a	1
V10E175 (c)	5	175	AC	1	n/a	-	85	Ld-Ld	-	800	175	271	1.5	n/a	1
V10E175P (c)	5	175	AC	1	n/a	-	85	Ld-Ld	-	800	175	271	1.5	n/a	1
V10E230 (c)	5	230	AC	1	n/a	-	85	Ld-Ld	-	880	230	361	1.5	n/a	1
V10E230P (c)	5	230	AC	1	n/a	-	85	Ld-Ld	-	880	230	361	1.5	n/a	1
V10E250 (c)	5	250	AC	1	n/a	-	85	Ld-Ld	-	960	250	391	1.5	n/a	1
V10E250P (c)	5	250	AC	1	n/a	-	85	Ld-Ld	-	960	250	391	1.5	n/a	1
V10E275 (c)	5	275	AC	1	n/a	-	85	Ld-Ld	-	1060	275	430	1.5	n/a	1
V10E275P (c)	5	275	AC	1	n/a	-	85	Ld-Ld	-	1060	275	430	1.5	n/a	1
V10E300 (c)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1150	300	470	1.5	n/a	1
V10E300P (c)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1150	300	470	1.5	n/a	1
V10E320 (c)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1250	320	510	1.5	n/a	1
V10E320P (c)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1250	320	510	1.5	n/a	1
V10E385 (c)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1510	385	620	1.5	n/a	1
V10E385P (c)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1510	385	620	1.5	n/a	1

V10E420 (c)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1650	420	680	1.5	n/a	1
V10E420P (c)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1650	420	680	1.5	n/a	1
V10E440 (c)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1740	440	715	1.5	n/a	1
V10E440P (c)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1740	440	715	1.5	n/a	1
V10E460 (c)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1800	460	750	1.5	n/a	1
V10E460P (c)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1800	460	750	1.5	n/a	1
V10E510 (c)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1930	510	820	1.5	n/a	1
V10E510P (c)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1930	510	820	1.5	n/a	1
V10E550 (c)	5	550	AC	1	n/a	-	85	Ld-Ld	-	2000	550	910	1.5	n/a	1
V10E550P (c)	5	550	AC	1	n/a	-	85	Ld-Ld	-	2000	550	910	1.5	n/a	1
V10E625 (c)	5	625	AC	1	n/a	-	85	Ld-Ld	-	2070	625	1000	1.5	n/a	1
V10E625P (c)	5	625	AC	1	n/a	-	85	Ld-Ld	-	2070	625	1000	1.5	n/a	1
V10H115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	490	115	180	2	N/A	1
V10H11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	70	11	18	0.5	N/A	1
V10H130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	550	130	205	2	N/A	1
V10H140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	590	140	220	2	N/A	1
V10H14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	80	14	22	0.5	N/A	1
V10H150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	630	150	240	2	N/A	1
V10H175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	730	175	270	2	N/A	1
V10H17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	90	17	27	0.5	N/A	1
V10H20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	110	20	33	0.5	N/A	1
V10H230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	940	230	360	2	N/A	1
V10H23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	120	23	36	0.5	N/A	1
V10H250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	1020	250	390	2	N/A	1
V10H25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	130	25	39	0.5	N/A	1
V10H275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1120	275	430	2	N/A	1
V10H300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1220	300	470	2	N/A	1
V10H30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	150	30	47	0.5	N/A	1
V10H320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1300	320	510	2	N/A	1
V10H35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	170	35	56	0.5	N/A	1
V10H385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1530	385	620	2	N/A	1
V10H40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	190	40	68	0.5	N/A	1
V10H420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1650	420	680	2	N/A	1
V10H440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1720	440	715	2	N/A	1
V10H460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1790	460	750	2	N/A	1
V10H50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	210	50	82	1	N/A	1
V10H510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1960	510	820	2	N/A	1
V10H550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	2100	550	910	2	N/A	1
V10H60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	240	60	100	1	N/A	1
V10H625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2360	625	1000	2	N/A	1
V10H75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	290	75	120	1	N/A	1
V10H95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	350	95	150	1	N/A	1
V10P115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	490	115	180	2	N/A	1
V10P11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	70	11	18	0.5	N/A	1
V10P130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	550	130	205	2	N/A	1

V10P140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	590	140	220	2	N/A	1
V10P14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	80	14	22	0.5	N/A	1
V10P150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	630	150	240	2	N/A	1
V10P175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	730	175	270	2	N/A	1
V10P17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	90	17	27	0.5	N/A	1
V10P20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	110	20	33	0.5	N/A	1
V10P230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	940	230	360	2	N/A	1
V10P23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	120	23	36	0.5	N/A	1
V10P250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	1020	250	390	2	N/A	1
V10P25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	130	25	39	0.5	N/A	1
V10P275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1120	275	430	2	N/A	1
V10P300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1220	300	470	2	N/A	1
V10P30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	150	30	47	0.5	N/A	1
V10P320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1300	320	510	2	N/A	1
V10P35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	170	35	56	0.5	N/A	1
V10P385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1530	385	620	2	N/A	1
V10P40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	200	40	68	0.5	N/A	1
V10P420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1650	420	680	2	N/A	1
V10P440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1720	440	715	2	N/A	1
V10P460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1790	460	750	2	N/A	1
V10P50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	210	50	82	1	N/A	1
V10P510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1960	510	820	2	N/A	1
V10P550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	2100	550	910	2	N/A	1
V10P60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	240	60	100	1	N/A	1
V10P625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2370	625	1000	2	N/A	1
V10P75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	290	75	120	1	N/A	1
V10P95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	350	95	150	1	N/A	1
V115SM7*	5	115	AC	1	n/a	-	85	Ld-Ld	-	420	115	180	0.5	n/a	1
V120CH8(M)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	290	75	120	0.25	N/A	1
V120CH8*	5	75	AC	1	N/A	-	85	Ld-Ld	-	290	75	120	0.25	N/A	1
V120CH8G	5	75	AC	1	n/a	-40	125	Ld-Ld	-	310	75	120	0.25	N/A	1
V120CH8N	5	75	AC	1	n/a	-40	85	Ld-Ld	-	310	75	120	0.25	N/A	1
V120ZA05 (b)	5	75	AC	1	n/a	-	85	Ld-Ld	-	250	75	123	0.1	n/a	1
V120ZA1 (b)	5	75	AC	1	n/a	-	85	Ld-Ld	-	290	75	120	0.5	n/a	1
V120ZA20 (b)	5	75	AC	1	n/a	-	85	Ld-Ld	-	380	75	120	3	n/a	1
V120ZA4 (b)	5	75	AC	1	n/a	-	85	Ld-Ld	-	320	75	120	1	n/a	1
V120ZA6 (b)	5	75	AC	1	n/a	-	85	Ld-Ld	-	350	75	120	2	n/a	1
V12E250 (c)	5	AC	AC	1	N/A	-40	85	Ld-Ld	-	990	250	390	2	N/A	1
V12E320 (c)	5	AC	AC	1	N/A	-40	85	Ld-Ld	-	1310	320	510	2	N/A	1
V130LA1&P(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	450	130	220	0.5	n/a	1
V130LA1&PW(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	490	130	220	0.5	n/a	1
V130LA10#P(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	450	130	205	2	n/a	1
V130LA10#PW(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	470	130	205	2	n/a	1
V130LA2&P(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	420	130	205	0.5	n/a	1
V130LA2&PW(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	440	130	205	0.5	n/a	1
V130LA20#PW(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	500	130	205	3	n/a	1

V130LA5&P(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	450	130	205	1	n/a	1
V130LA5&PW(k)	5	130	AC	1	n/a	-	85	Ld-Ld	-	480	130	205	1	n/a	1
V130SM7*	5	130	AC	1	n/a	-	85	Ld-Ld	-	490	130	205	0.5	n/a	1
V140LA10#P(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	490	140	220	2	n/a	1
V140LA10#PW(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	520	140	220	2	n/a	1
V140LA2&P(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	460	140	220	0.5	n/a	1
V140LA2&PW(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	460	140	220	0.5	n/a	1
V140LA20#PW(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	500	140	220	3	n/a	1
V140LA5&P(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	500	140	220	1	n/a	1
V140LA5&PW(k)	5	140	AC	1	n/a	-	85	Ld-Ld	-	530	140	220	1	n/a	1
V140SM7*	5	140	AC	1	n/a	-	85	Ld-Ld	-	520	140	220	0.5	n/a	1
V14H115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	460	115	180	3	N/A	1
V14H11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	80	11	18	1	N/A	1
V14H130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	510	130	205	3	N/A	1
V14H140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	550	140	220	3	N/A	1
V14H14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	90	14	22	1	N/A	1
V14H150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	580	150	240	3	N/A	1
V14H175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	660	175	270	3	N/A	1
V14H17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	100	17	27	1	N/A	1
V14H20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	120	20	33	1	N/A	1
V14H230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	850	230	360	3	N/A	1
V14H23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	130	23	36	1	N/A	1
V14H250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	920	250	390	3	N/A	1
V14H25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	140	25	39	1	N/A	1
V14H275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1010	275	430	3	N/A	1
V14H300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1090	300	470	3	N/A	1
V14H30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	160	30	47	1	N/A	1
V14H320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1160	320	510	3	N/A	1
V14H35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	180	35	56	1	N/A	1
V14H385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1390	385	620	3	N/A	1
V14H40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	200	40	68	1	N/A	1
V14H420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1520	420	680	3	N/A	1
V14H440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1590	440	715	3	N/A	1
V14H460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1660	460	750	3	N/A	1
V14H50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	220	50	82	2	N/A	1
V14H510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1850	510	820	3	N/A	1
V14H550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	1990	550	910	3	N/A	1
V14H60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	260	60	100	2	N/A	1
V14H625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2260	625	1000	3	N/A	1
V14H75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	310	75	120	2	N/A	1
V14H95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	360	95	150	2	N/A	1
V14MLA0805(L)	5	10	AC	1	n/a	-40	125	Ld-Ld	-	50	10	18.1	0.01	N/A	1
V14P115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	460	115	180	3	N/A	1
V14P11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	80	11	18	1	N/A	1
V14P130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	510	130	205	3	N/A	1

V14P140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	550	140	220	3	N/A	1
V14P14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	90	14	22	1	N/A	1
V14P150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	580	150	240	3	N/A	1
V14P175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	660	175	270	3	N/A	1
V14P17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	100	17	27	1	N/A	1
V14P20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	120	20	33	1	N/A	1
V14P230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	850	230	360	3	N/A	1
V14P23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	130	23	36	1	N/A	1
V14P250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	920	250	390	3	N/A	1
V14P25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	140	25	39	1	N/A	1
V14P275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1010	275	430	3	N/A	1
V14P300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1090	300	470	3	N/A	1
V14P30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	160	30	47	1	N/A	1
V14P320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1160	320	510	3	N/A	1
V14P35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	180	35	56	1	N/A	1
V14P385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1390	385	620	3	N/A	1
V14P40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	200	40	68	1	N/A	1
V14P420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1520	420	680	3	N/A	1
V14P440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1590	440	715	3	N/A	1
V14P460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1660	460	750	3	N/A	1
V14P50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	220	50	82	2	N/A	1
V14P510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1850	510	820	3	N/A	1
V14P550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	1990	550	910	3	N/A	1
V14P60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	260	60	100	2	N/A	1
V14P625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2320	625	1000	3	N/A	1
V14P75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	310	75	120	2	N/A	1
V14P95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	350	95	150	2	N/A	1
V150CH8(M)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	370	95	150	0.25	N/A	1
V150CH8*	5	95	AC	1	N/A	-	85	Ld-Ld	-	370	95	150	0.25	N/A	1
V150CH8G	5	95	AC	1	n/a	-40	125	Ld-Ld	-	380	95	150	0.25	N/A	1
V150CH8N	5	95	AC	1	n/a	-40	85	Ld-Ld	-	380	95	150	0.25	N/A	1
V150LA1&P(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	500	150	250	0.5	n/a	1
V150LA1&PW(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	480	150	250	0.5	n/a	1
V150LA10#P(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	520	150	240	2	n/a	1
V150LA10#PW(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	570	150	240	2	n/a	1
V150LA2&P(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	530	150	240	0.5	n/a	1
V150LA2&PW(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	470	150	240	0.5	n/a	1
V150LA20#PW(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	510	150	240	3	n/a	1
V150LA5&P(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	550	150	240	1	n/a	1
V150LA5&PW(k)	5	150	AC	1	n/a	-	85	Ld-Ld	-	580	150	240	1	n/a	1
V150SM7*	5	150	AC	1	n/a	-	85	Ld-Ld	-	570	150	240	0.5	n/a	1
V150ZA05 (b)	5	92	AC	1	n/a	-	85	Ld-Ld	-	300	92	154	0.1	n/a	1
V150ZA1 (b)	5	95	AC	1	n/a	-	85	Ld-Ld	-	350	95	150	0.5	n/a	1
V150ZA20 (b)	5	95	AC	1	n/a	-	85	Ld-Ld	-	430	95	150	3	n/a	1
V150ZA4 (b)	5	95	AC	1	n/a	-	85	Ld-Ld	-	390	95	150	1	n/a	1
V150ZA8 (b)	5	95	AC	1	n/a	-	85	Ld-Ld	-	410	95	150	2	n/a	1

V175LA10#P(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	590	175	270	2	n/a	1
V175LA10#PW(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	630	175	270	2	n/a	1
V175LA2&P(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	550	175	270	0.5	n/a	1
V175LA2&PW(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	600	175	270	0.5	n/a	1
V175LA20#PW(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	630	175	270	3	n/a	1
V175LA5&P(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	610	175	270	1	n/a	1
V175LA5&PW(k)	5	175	AC	1	n/a	-	85	Ld-Ld	-	640	175	270	1	n/a	1
V175SM20_	5	175	AC	1	n/a	-40	85	Ld-Ld	-	540	175	275	2	N/A	1,5a
V175SM7*	5	175	AC	1	n/a	-	85	Ld-Ld	-	650	175	270	0.5	n/a	1
V180CH8(M)	5	115	AC	1	n/a	-40	85	Ld-Ld	-	430	115	180	0.25	N/A	1
V180CH8*	5	115	AC	1	N/A	-	85	Ld-Ld	-	430	115	180	0.25	N/A	1
V180CH8G	5	115	AC	1	n/a	-40	125	Ld-Ld	-	440	115	180	0.25	N/A	1
V180CH8N	5	115	AC	1	n/a	-40	85	Ld-Ld	-	440	115	180	0.25	N/A	1
V180ZA05 (b)	5	110	AC	1	n/a	-	85	Ld-Ld	-	350	110	184.5	0.1	n/a	1
V180ZA1 (b)	5	115	AC	1	n/a	-	85	Ld-Ld	-	400	115	180	0.5	n/a	1
V180ZA10 (b)	5	115	AC	1	n/a	-	85	Ld-Ld	-	460	115	180	2	n/a	1
V180ZA20 (b)	5	115	AC	1	n/a	-	85	Ld-Ld	-	480	115	180	3	n/a	1
V180ZA5 (b)	5	115	AC	1	n/a	-	85	Ld-Ld	-	420	115	180	1	n/a	1
V18ZA05 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	60	10	18.5	0.05	n/a	1
V18ZA1 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	70	10	20	0.1	n/a	1
V18ZA2 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	70	10	20	0.15	n/a	1
V18ZA20 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	100	10	18	1	n/a	1
V18ZA3 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	90	10	19	0.5	n/a	1
V18ZA40 (b)	5	10	AC	1	n/a	-	85	Ld-Ld	-	100	10	18	1	n/a	1
V200CH8(M)	5	130	AC	1	n/a	-40	85	Ld-Ld	-	470	130	200	0.25	N/A	1
V200CH8*	5	130	AC	1	N/A	-	85	Ld-Ld	-	470	130	200	0.25	N/A	N/A
V200CH8G	5	130	AC	1	n/a	-40	125	Ld-Ld	-	520	130	200	0.25	N/A	1
V200CH8N	5	130	AC	1	n/a	-40	85	Ld-Ld	-	520	130	200	0.25	N/A	1
V205ZA05 (b)	5	130	AC	1	n/a	-	85	Ld-Ld	-	380	130	205	0.1	n/a	1
V20H115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	490	115	180	5	N/A	1
V20H11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	90	11	18	1.5	N/A	1
V20H130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	550	130	205	5	N/A	1
V20H140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	580	140	220	5	N/A	1
V20H14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	100	14	22	1.5	N/A	1
V20H150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	620	150	240	5	N/A	1
V20H175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	720	175	270	5	N/A	1
V20H17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	110	17	27	1.5	N/A	1
V20H20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	120	20	33	1.5	N/A	1
V20H230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	920	230	360	5	N/A	1
V20H23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	140	23	36	1.5	N/A	1
V20H250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	1000	250	390	5	N/A	1
V20H25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	140	25	39	1.5	N/A	1
V20H275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1090	275	430	5	N/A	1
V20H300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1180	300	470	5	N/A	1
V20H30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	160	30	47	1.5	N/A	1

V20H320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1260	320	510	5	N/A	1
V20H35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	180	35	56	1.5	N/A	1
V20H385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1450	385	620	5	N/A	1
V20H40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	200	40	68	1.5	N/A	1
V20H420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1560	420	680	5	N/A	1
V20H440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1620	440	715	5	N/A	1
V20H460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1680	460	750	5	N/A	1
V20H50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	210	50	82	3	N/A	1
V20H510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1830	510	820	5	N/A	1
V20H550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	1950	550	910	5	N/A	1
V20H60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	240	60	100	3	N/A	1
V20H625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2170	625	1000	5	N/A	1
V20H75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	290	75	120	3	N/A	1
V20H95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	360	95	150	3	N/A	1
V20P115P (c)	5	115	AC	1	N/A	-	125	Ld-Ld	-	490	115	180	5	N/A	1
V20P11P (c)	5	11	AC	1	N/A	-	125	Ld-Ld	-	90	11	18	1.5	N/A	1
V20P130P (c)	5	130	AC	1	N/A	-	125	Ld-Ld	-	550	130	205	5	N/A	1
V20P140P (c)	5	140	AC	1	N/A	-	125	Ld-Ld	-	580	140	220	5	N/A	1
V20P14P (c)	5	14	AC	1	N/A	-	125	Ld-Ld	-	100	14	22	1.5	N/A	1
V20P150P (c)	5	150	AC	1	N/A	-	125	Ld-Ld	-	620	150	240	5	N/A	1
V20P175P (c)	5	175	AC	1	N/A	-	125	Ld-Ld	-	720	175	270	5	N/A	1
V20P17P (c)	5	17	AC	1	N/A	-	125	Ld-Ld	-	110	17	27	1.5	N/A	1
V20P20P (c)	5	20	AC	1	N/A	-	125	Ld-Ld	-	120	20	33	1.5	N/A	1
V20P230P (c)	5	230	AC	1	N/A	-	125	Ld-Ld	-	920	230	360	5	N/A	1
V20P23P (c)	5	23	AC	1	N/A	-	125	Ld-Ld	-	140	23	36	1.5	N/A	1
V20P250P (c)	5	250	AC	1	N/A	-	125	Ld-Ld	-	1000	250	390	5	N/A	1
V20P25P (c)	5	25	AC	1	N/A	-	125	Ld-Ld	-	140	25	39	1.5	N/A	1
V20P275P (c)	5	275	AC	1	N/A	-	125	Ld-Ld	-	1090	275	430	5	N/A	1
V20P300P (c)	5	300	AC	1	N/A	-	125	Ld-Ld	-	1180	300	470	5	N/A	1
V20P30P (c)	5	30	AC	1	N/A	-	125	Ld-Ld	-	160	30	47	1.5	N/A	1
V20P320P (c)	5	320	AC	1	N/A	-	125	Ld-Ld	-	1260	320	510	5	N/A	1
V20P35P (c)	5	35	AC	1	N/A	-	125	Ld-Ld	-	180	35	56	1.5	N/A	1
V20P385P (c)	5	385	AC	1	N/A	-	125	Ld-Ld	-	1450	385	620	5	N/A	1
V20P40P (c)	5	40	AC	1	N/A	-	125	Ld-Ld	-	200	40	68	1.5	N/A	1
V20P420P (c)	5	420	AC	1	N/A	-	125	Ld-Ld	-	1560	420	680	5	N/A	1
V20P440P (c)	5	440	AC	1	N/A	-	125	Ld-Ld	-	1620	440	715	5	N/A	1
V20P460P (c)	5	460	AC	1	N/A	-	125	Ld-Ld	-	1680	460	750	5	N/A	1
V20P50P (c)	5	50	AC	1	N/A	-	125	Ld-Ld	-	210	50	82	3	N/A	1
V20P510P (c)	5	510	AC	1	N/A	-	125	Ld-Ld	-	1830	510	820	5	N/A	1
V20P60P (c)	5	60	AC	1	N/A	-	125	Ld-Ld	-	240	60	100	3	N/A	1
V20P625P (c)	5	625	AC	1	N/A	-	125	Ld-Ld	-	2240	625	1000	5	N/A	1
V20P75P (c)	5	75	AC	1	N/A	-	125	Ld-Ld	-	290	75	120	3	N/A	1
V20P95P (c)	5	95	AC	1	N/A	-	125	Ld-Ld	-	350	95	150	3	N/A	1
V220CH8(M)	5	140	AC	1	n/a	-40	85	Ld-Ld	-	510	140	220	0.25	N/A	1
V220CH8*	5	140	AC	1	N/A	-	85	Ld-Ld	-	510	140	220	0.25	N/A	1
V220CH8G	5	140	AC	1	n/a	-40	125	Ld-Ld	-	550	140	220	0.25	N/A	1

V220CH8N	5	140	AC	1	n/a	-40	85	Ld-Ld	-	550	140	220	0.25	N/A	1
V220ZA05 (b)	5	140	AC	1	n/a	-	85	Ld-Ld	-	420	140	225.5	0.1	n/a	1
V22CH8(M)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	90	14	22	0.05	N/A	1
V22CH8*	5	14	AC	1	N/A	-	85	Ld-Ld	-	90	14	22	0.05	N/A	1
V22CH8G	5	14	AC	1	n/a	-40	125	Ld-Ld	-	80	14	22	0.05	N/A	1
V22CH8N	5	14	AC	1	n/a	-40	85	Ld-Ld	-	80	14	22	0.05	N/A	1
V22ZA05 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	70	14	22.4	0.05	n/a	1
V22ZA1 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	80	14	22.4	0.1	n/a	1
V22ZA2 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	80	14	22.4	0.15	n/a	1
V22ZA3 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	100	14	22.4	0.5	n/a	1
V230LA10&P(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	790	230	360	1	n/a	1
V230LA10&PW(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	810	230	360	1	n/a	1
V230LA20#P(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	740	230	360	2	n/a	1
V230LA20#PW(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	780	230	360	2	n/a	1
V230LA4&P(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	710	230	360	0.5	n/a	1
V230LA4&PW(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	720	230	360	0.5	n/a	1
V230LA40#PW(k)	5	230	AC	1	n/a	-	85	Ld-Ld	-	710	230	360	3	n/a	1
V230SM20_	5	230	AC	1	n/a	-40	85	Ld-Ld	-	710	230	360	2	N/A	1,5a
V230SM7*	5	230	AC	1	n/a	-	85	Ld-Ld	-	690	230	360	0.5	n/a	1
V240CH8(M)	5	150	AC	1	n/a	-40	85	Ld-Ld	-	550	150	240	0.25	N/A	1
V240CH8*	5	150	AC	1	N/A	-	85	Ld-Ld	-	550	150	240	0.25	N/A	1
V240CH8G	5	150	AC	1	n/a	-40	125	Ld-Ld	-	570	150	240	0.25	N/A	1
V240CH8N	5	150	AC	1	n/a	-40	85	Ld-Ld	-	570	150	240	0.25	N/A	1
V240ZA05&P(j)	5	150	AC	1	n/a	-	85	Ld-Ld	-	470	150	240	0.25	n/a	1
V240ZA05&PW(j)	5	150	AC	1	n/a	-	85	Ld-Ld	-	510	150	240	0.25	n/a	1
V24ZA20 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	110	14	22.4	1	n/a	1
V24ZA50 (b)	5	14	AC	1	n/a	-	85	Ld-Ld	-	110	14	22.6	1	n/a	1
V250LA10&P(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	890	250	390	1	n/a	1
V250LA10&PW(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	890	250	390	1	n/a	1
V250LA2&P(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	870	250	410	0.5	n/a	1
V250LA2&PW(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	780	250	410	0.5	n/a	1
V250LA20#P(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	840	250	390	2	n/a	1
V250LA20#PW(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	880	250	390	2	n/a	1
V250LA4&P(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	790	250	390	0.5	n/a	1
V250LA4&PW(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	750	250	390	0.5	n/a	1
V250LA40#PW(k)	5	250	AC	1	n/a	-	85	Ld-Ld	-	800	250	390	3	n/a	1
V250SM20_	5	250	AC	1	n/a	-40	85	Ld-Ld	-	770	250	391.5	2	N/A	1,5a
V250SM7*	5	250	AC	1	n/a	-	85	Ld-Ld	-	740	250	390	0.5	n/a	1
V26MLA1206(L)	5	20	AC	1	n/a	-40	125	Ld-Ld	-	100	20	34	0.05	N/A	1
V26SM20_	5	26	AC	1	n/a	-40	85	Ld-Ld	-	120	26	36	0.5	N/A	1,5a
V270ZA05&P(j)	5	175	AC	1	n/a	-	85	Ld-Ld	-	550	175	270	0.25	n/a	1
V270ZA05&PW(j)	5	175	AC	1	n/a	-	85	Ld-Ld	-	600	175	270	0.25	n/a	1
V275LA10&P(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	990	275	430	1	n/a	1
V275LA10&PW(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	970	275	430	1	n/a	1
V275LA2&P(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	900	275	450	0.5	n/a	1

V275LA2&PW(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	850	275	450	0.5	n/a	1
V275LA20#P(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	940	275	430	2	n/a	1
V275LA20#PW(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	980	275	430	2	n/a	1
V275LA4&P(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	900	275	430	0.5	n/a	1
V275LA4&PW(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	850	275	430	0.5	n/a	1
V275LA40#PW(k)	5	275	AC	1	n/a	-	85	Ld-Ld	-	880	275	430	3	n/a	1
V275SM20_	5	275	AC	1	n/a	-40	85	Ld-Ld	-	880	275	431	2	N/A	1,5a
V275SM7*	5	275	AC	1	n/a	-	85	Ld-Ld	-	850	275	430	0.5	n/a	1
V27CH8(M)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	100	17	27	0.05	N/A	1
V27CH8*	5	17	AC	1	N/A	-	85	Ld-Ld	-	100	17	27	0.05	N/A	1
V27CH8G	5	17	AC	1	n/a	-40	125	Ld-Ld	-	90	17	27	0.05	N/A	1
V27CH8N	5	17	AC	1	n/a	-40	85	Ld-Ld	-	90	17	27	0.05	N/A	1
V27ZA05 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	80	17	27.1	0.05	n/a	1
V27ZA1 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	90	17	27.1	0.1	n/a	1
V27ZA2 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	90	17	27.1	0.15	n/a	1
V27ZA20 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	120	17	27.1	1	n/a	1
V27ZA4 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	110	17	27.1	0.5	n/a	1
V27ZA60 (b)	5	17	AC	1	n/a	-	85	Ld-Ld	-	120	17	27.1	1	n/a	1
V300LA10&P(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1090	300	470	1	n/a	1
V300LA10&PW(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1060	300	470	1	n/a	1
V300LA2&P(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1010	300	490	0.5	n/a	1
V300LA2&PW(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	960	300	490	0.5	n/a	1
V300LA20#P(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1040	300	470	2	n/a	1
V300LA20#PW(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1090	300	470	2	n/a	1
V300LA4&P(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	970	300	470	0.5	n/a	1
V300LA4&PW(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	950	300	470	0.5	n/a	1
V300LA40#PW(k)	5	300	AC	1	n/a	-	85	Ld-Ld	-	980	300	470	3	n/a	1
V300SM20_	5	300	AC	1	n/a	-40	85	Ld-Ld	-	990	300	468.5	2	N/A	1,5a
V300SM7*	5	300	AC	1	n/a	-	85	Ld-Ld	-	1000	300	470	0.5	n/a	1
V320LA10&P(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1200	320	510	1	n/a	1
V320LA10&PW(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1150	320	510	1	n/a	1
V320LA20#P(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1140	320	510	2	n/a	1
V320LA20#PW(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1200	320	510	2	n/a	1
V320LA40#PW(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1080	320	501	3	n/a	1
V320LA7&P(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1060	320	510	0.5	n/a	1
V320LA7&PW(k)	5	320	AC	1	n/a	-	85	Ld-Ld	-	1030	320	510	0.5	n/a	1
V320SM20_	5	320	AC	1	n/a	-40	85	Ld-Ld	-	1080	320	501	2	N/A	1,5a
V320SM7*	5	320	AC	1	n/a	-	85	Ld-Ld	-	1110	320	510	0.5	n/a	1
V330ZA05&P(j)	5	210	AC	1	n/a	-	85	Ld-Ld	-	630	210	340	0.25	n/a	1
V330ZA05&PW(j)	5	210	AC	1	n/a	-	85	Ld-Ld	-	690	210	340	0.25	n/a	1
V33CH8(M)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	140	20	33	0.25	N/A	1
V33CH8*	5	20	AC	1	N/A	-	85	Ld-Ld	-	140	20	33	0.25	N/A	1
V33CH8G	5	20	AC	1	n/a	-40	125	Ld-Ld	-	130	20	33	0.25	N/A	1
V33CH8N	5	20	AC	1	n/a	-40	85	Ld-Ld	-	130	20	33	0.25	N/A	1
V33ZA05 (b)	5	20	AC	1	n/a	-	85	Ld-Ld	-	90	20	33.8	0.05	n/a	1
V33ZA1 (b)	5	20	AC	1	n/a	-	85	Ld-Ld	-	100	20	33	0.1	n/a	1

V33ZA2 (b)	5	20	AC	1	n/a	-	85	Ld-Ld	-	100	20	33	0.15	n/a	1
V33ZA20 (b)	5	20	AC	1	n/a	-	85	Ld-Ld	-	130	20	33	1	n/a	1
V33ZA5 (b)	5	20	AC	1	n/a	-	85	Ld-Ld	-	120	20	33	0.5	n/a	1
V33ZA70 (b)	5	21	AC	1	n/a	-	85	Ld-Ld	-	130	21	33	1	n/a	1
V360CH8(M)	5	230	AC	1	n/a	-40	85	Ld-Ld	-	820	230	360	0.25	N/A	1
V360CH8*	5	230	AC	1	N/A	-	85	Ld-Ld	-	820	230	360	0.25	N/A	1
V360CH8G	5	230	AC	1	n/a	-40	125	Ld-Ld	-	780	230	360	0.25	N/A	1
V360CH8N	5	230	AC	1	n/a	-40	85	Ld-Ld	-	780	230	360	0.25	N/A	1
V360ZA05&P(j)	5	230	AC	1	n/a	-	85	Ld-Ld	-	710	230	360	0.25	n/a	1
V360ZA05&PW(j)	5	230	AC	1	n/a	-	85	Ld-Ld	-	780	230	360	0.25	n/a	1
V36ZA20 (b)	5	23	AC	1	n/a	-	85	Ld-Ld	-	140	23	36	1	n/a	1
V36ZA80 (b)	5	23	AC	1	n/a	-	85	Ld-Ld	-	140	23	36	1	n/a	1
V385LA10&P(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1310	385	620	1	n/a	1
V385LA10&PW(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1300	385	620	1	n/a	1
V385LA20#P(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1250	385	620	2	n/a	1
V385LA20#PW(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1310	385	620	2	n/a	1
V385LA40#PW(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1190	385	620	3	n/a	1
V385LA7&P(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1130	385	620	0.5	n/a	1
V385LA7&PW(k)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1110	385	620	0.5	n/a	1
V385SM7*	5	385	AC	1	n/a	-	85	Ld-Ld	-	1260	385	620	0.5	n/a	1
V390CH8(M)	5	250	AC	1	n/a	-40	85	Ld-Ld	-	880	250	390	0.25	N/A	1
V390CH8*	5	250	AC	1	N/A	-	85	Ld-Ld	-	880	250	390	0.25	N/A	1
V390CH8G	5	250	AC	1	n/a	-40	125	Ld-Ld	-	830	250	390	0.25	N/A	1
V390CH8N	5	250	AC	1	n/a	-40	85	Ld-Ld	-	830	250	390	0.25	N/A	1
V390ZA05&P(j)	5	250	AC	1	n/a	-	85	Ld-Ld	-	800	250	400	0.25	n/a	1
V390ZA05&PW(j)	5	250	AC	1	n/a	-	85	Ld-Ld	-	880	250	400	0.25	n/a	1
V39CH8(M)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	180	25	39	0.25	N/A	1
V39CH8*	5	25	AC	1	N/A	-	85	Ld-Ld	-	180	25	39	0.25	N/A	1
V39CH8G	5	25	AC	1	n/a	-40	125	Ld-Ld	-	160	25	39	0.25	N/A	1
V39CH8N	5	25	AC	1	n/a	-40	85	Ld-Ld	-	160	25	39	0.25	N/A	1
V39ZA05 (b)	5	25	AC	1	n/a	-	85	Ld-Ld	-	120	25	40.5	0.05	n/a	1
V39ZA1 (b)	5	25	AC	1	n/a	-	85	Ld-Ld	-	110	25	39	0.1	n/a	1
V39ZA20 (b)	5	25	AC	1	n/a	-	85	Ld-Ld	-	150	25	39	1	n/a	1
V39ZA3 (b)	5	25	AC	1	n/a	-	85	Ld-Ld	-	110	25	39	0.15	n/a	1
V39ZA6 (b)	5	25	AC	1	n/a	-	85	Ld-Ld	-	130	25	39	0.5	n/a	1
V420LA10&P(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1340	420	680	1	n/a	1
V420LA10&PW(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1300	420	680	1	n/a	1
V420LA20#P(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1360	420	680	2	n/a	1
V420LA20#PW(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1420	420	680	2	n/a	1
V420LA40#PW(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1300	420	665	3	n/a	1
V420LA7&P(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1210	420	680	0.5	n/a	1
V420LA7&PW(k)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1200	420	680	0.5	n/a	1
V420SM7*	5	420	AC	1	n/a	-	85	Ld-Ld	-	1170	420	680	0.25	n/a	1
V430CH8(M)	5	275	AC	1	n/a	-40	85	Ld-Ld	-	900	275	430	0.25	N/A	1
V430CH8*	5	275	AC	1	N/A	-	85	Ld-Ld	-	900	275	430	0.25	N/A	1

V430CH8G	5	275	AC	1	n/a	-40	125	Ld-Ld	-	900	275	430	0.25	N/A	1
V430CH8N	5	275	AC	1	n/a	-40	85	Ld-Ld	-	900	275	430	0.25	N/A	1
V430ZA05&P(j)	5	275	AC	1	n/a	-	85	Ld-Ld	-	890	275	440	0.25	n/a	1
V430ZA05&PW(j)	5	275	AC	1	n/a	-	85	Ld-Ld	-	970	275	440	0.25	n/a	1
V440LA10&P(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1370	440	715	1	n/a	1
V440LA10&PW(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1370	440	715	1	n/a	1
V440LA20#P(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1400	440	715	2	n/a	1
V440LA20#PW(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1430	440	715	2	n/a	1
V440LA40#PW(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1310	440	715	3	n/a	1
V440LA7&P(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1290	440	715	0.5	n/a	1
V440LA7&PW(k)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1290	440	715	0.5	n/a	1
V440SM7*	5	440	AC	1	n/a	-	85	Ld-Ld	-	1250	440	715.5	0.25	n/a	1
V460LA10&P(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1400	460	715	1	n/a	1
V460LA10&PW(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1450	460	715	1	n/a	1
V460LA20#P(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1450	460	715	2	n/a	1
V460LA20#PW(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1430	460	715	2	n/a	1
V460LA40#PW(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1330	460	699.5	3	n/a	1
V460LA7&P(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1370	460	715	0.5	n/a	1
V460LA7&PW(k)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1390	460	715	0.5	n/a	1
V460SM7*	5	460	AC	1	n/a	-	85	Ld-Ld	-	1350	460	750	0.25	n/a	1
V470ZA05&P(j)	5	300	AC	1	n/a	-	85	Ld-Ld	-	980	300	470	0.25	n/a	1
V470ZA05&PW(j)	5	300	AC	1	n/a	-	85	Ld-Ld	-	1060	300	470	0.25	n/a	1
V47CH8(M)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	210	30	47	0.25	N/A	1
V47CH8*	5	30	AC	1	N/A	-	85	Ld-Ld	-	210	30	47	0.25	N/A	1
V47CH8G	5	30	AC	1	n/a	-40	125	Ld-Ld	-	190	30	47	0.25	N/A	1
V47CH8N	5	30	AC	1	n/a	-40	85	Ld-Ld	-	170	30	47	0.25	N/A	1
V47ZA05 (b)	5	30	AC	1	n/a	-	85	Ld-Ld	-	130	30	48.5	0.05	n/a	1
V47ZA1 (b)	5	30	AC	1	n/a	-	85	Ld-Ld	-	130	30	47	0.1	n/a	1
V47ZA20 (b)	5	30	AC	1	n/a	-	85	Ld-Ld	-	170	30	47	1	n/a	1
V47ZA3 (b)	5	30	AC	1	n/a	-	85	Ld-Ld	-	130	30	47	0.15	n/a	1
V47ZA7 (b)	5	30	AC	1	n/a	-	85	Ld-Ld	-	140	30	47	0.5	n/a	1
V480LA10&P(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1430	480	750	1	n/a	1
V480LA10&PW(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1530	480	750	1	n/a	1
V480LA40#P(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1500	480	750	2	n/a	1
V480LA40#PW(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1440	480	750	2	n/a	1
V480LA7&P(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1430	480	750	0.5	n/a	1
V480LA7&PW(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1490	480	750	0.5	n/a	1
V480LA80#PW(k)	5	480	AC	1	n/a	-	85	Ld-Ld	-	1350	480	732.5	3	n/a	1
V480SM7*	5	480	AC	1	n/a	-	85	Ld-Ld	-	1390	480	747.5	0.25	n/a	1
V50SM7*	5	50	AC	1	n/a	-	85	Ld-Ld	-	200	50	82	0.5	n/a	1
V510LA10&P(k)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1570	510	820	1	n/a	1
V510LA10&PW(k)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1670	510	820	1	n/a	1
V510LA40#P(k)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1760	510	820	2	n/a	1
V510LA40#PW(k)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1730	510	820	2	n/a	1
V510LA80#PW(k)	5	510	AC	1	n/a	-	85	Ld-Ld	-	1610	510	799	3	n/a	1
V510SM7*	5	510	AC	1	n/a	-	85	Ld-Ld	-	1530	510	820	0.25	n/a	1

V56CH8(M)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	250	35	56	0.25	N/A	1
V56CH8*	5	35	AC	1	N/A	-	85	Ld-Ld	-	250	35	56	0.25	N/A	1
V56CH8G	5	35	AC	1	n/a	-40	125	Ld-Ld	-	210	35	56	0.25	N/A	1
V56CH8N	5	35	AC	1	n/a	-40	85	Ld-Ld	-	210	35	56	0.25	N/A	1
V56MLA1206(L)	5	40	AC	1	n/a	-40	125	Ld-Ld	-	190	40	69	0.05	N/A	1
V56ZA05 (b)	5	35	AC	1	n/a	-	85	Ld-Ld	-	140	35	58	0.05	n/a	1
V56ZA2 (b)	5	35	AC	1	n/a	-	85	Ld-Ld	-	150	35	56	0.1	n/a	1
V56ZA20 (b)	5	35	AC	1	n/a	-	85	Ld-Ld	-	190	35	56	1	n/a	1
V56ZA3 (b)	5	35	AC	1	n/a	-	85	Ld-Ld	-	150	35	56	0.15	n/a	1
V56ZA8 (b)	5	35	AC	1	n/a	-	85	Ld-Ld	-	150	35	56	0.5	n/a	1
V575LA10&P(k)	5	575	AC	1	n/a	-	85	Ld-Ld	-	1710	575	910	1	n/a	1
V575LA10&PW(k)	5	575	AC	1	n/a	-	85	Ld-Ld	-	1710	575	910	1	n/a	1
V575LA40#P(k)	5	575	AC	1	n/a	-	85	Ld-Ld	-	2020	575	910	2	n/a	1
V575LA40#PW(k)	5	575	AC	1	n/a	-	85	Ld-Ld	-	2020	575	910	2	n/a	1
V575LA80#PW(k)	5	575	AC	1	n/a	-	85	Ld-Ld	-	1870	575	889.5	3	n/a	1
V60SM7*	5	60	AC	1	n/a	-	85	Ld-Ld	-	240	60	100	0.5	n/a	1
V620ZA05&P(j)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1070	385	620	0.25	n/a	1
V620ZA05&PW(j)	5	385	AC	1	n/a	-	85	Ld-Ld	-	1160	385	620	0.25	n/a	1
V625LA10&P(k)	5	625	AC	1	n/a	-	85	Ld-Ld	-	1860	625	1000	1	n/a	1
V625LA10&PW(k)	5	625	AC	1	n/a	-	85	Ld-Ld	-	1960	625	1000	1	n/a	1
V625LA40#P(k)	5	625	AC	1	n/a	-	85	Ld-Ld	-	2280	625	1000	2	n/a	1
V625LA40#PW(k)	5	625	AC	1	n/a	-	85	Ld-Ld	-	2320	625	1000	2	n/a	1
V625LA80#PW(k)	5	625	AC	1	n/a	-	85	Ld-Ld	-	2130	625	1000	3	n/a	1
V660LA10&P(k)	5	660	AC	1	n/a	-	85	Ld-Ld	-	2010	660	1080	1	n/a	1
V660LA10&PW(k)	5	660	AC	1	n/a	-	85	Ld-Ld	-	2110	660	1080	1	n/a	1
V660LA100#PW(k)	5	660	AC	1	n/a	-	85	Ld-Ld	-	2390	660	1020	3	n/a	1
V660LA50#P(k)	5	660	AC	1	n/a	-	85	Ld-Ld	-	2550	660	1080	2	n/a	1
V660LA50#PW(k)	5	660	AC	1	n/a	-	85	Ld-Ld	-	2620	660	1080	2	n/a	1
V680LA10&P(k)	5	680	AC	1	n/a	-	85	Ld-Ld	-	2170	680	1100	1	n/a	1
V680LA10&PW(k)	5	680	AC	1	n/a	-	85	Ld-Ld	-	2260	680	1100	1	n/a	1
V680LA100#PW(k)	5	680	AC	1	n/a	-	85	Ld-Ld	-	2680	680	1060	3	n/a	1
V680LA80#P(k)	5	680	AC	1	n/a	-	85	Ld-Ld	-	2810	680	1100	2	n/a	1
V680LA80#PW(k)	5	680	AC	1	n/a	-	85	Ld-Ld	-	2920	680	1100	2	n/a	1
V680ZA05&P(j)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1170	420	680	0.25	n/a	1
V680ZA05&PW(j)	5	420	AC	1	n/a	-	85	Ld-Ld	-	1260	420	680	0.25	n/a	1
V68CH8(M)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	260	40	68	0.25	N/A	1
V68CH8*	5	40	AC	1	N/A	-	85	Ld-Ld	-	260	40	68	0.25	N/A	1
V68CH8G	5	40	AC	1	n/a	-40	125	Ld-Ld	-	240	40	68	0.25	N/A	1
V68CH8N	5	40	AC	1	n/a	-40	85	Ld-Ld	-	240	40	68	0.25	N/A	1
V68ZA05 (b)	5	40	AC	1	n/a	-	85	Ld-Ld	-	170	40	70.5	0.05	n/a	1
V68ZA10 (b)	5	40	AC	1	n/a	-	85	Ld-Ld	-	200	40	68	0.5	n/a	1
V68ZA2 (b)	5	40	AC	1	n/a	-	85	Ld-Ld	-	170	40	68	0.1	n/a	1
V68ZA20 (b)	5	40	AC	1	n/a	-	85	Ld-Ld	-	220	40	68	1	n/a	1
V68ZA3 (b)	5	40	AC	1	n/a	-	85	Ld-Ld	-	170	40	68	0.15	n/a	1
V715ZA05&P(j)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1270	440	715	0.25	n/a	1

V715ZA05&PW(j)	5	440	AC	1	n/a	-	85	Ld-Ld	-	1370	440	715	0.25	n/a	1
V750ZA05&P(j)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1370	460	750	0.25	n/a	1
V750ZA05&PW(j)	5	460	AC	1	n/a	-	85	Ld-Ld	-	1480	460	750	0.25	n/a	1
V82ZA05 (b)	5	50	AC	1	n/a	-	85	Ld-Ld	-	170	50	85	0.1	n/a	1
V82ZA12 (b)	5	50	AC	1	n/a	-	85	Ld-Ld	-	260	50	82	2	n/a	1
V82ZA2 (b)	5	50	AC	1	n/a	-	85	Ld-Ld	-	210	50	82	0.5	n/a	1
V82ZA20 (b)	5	50	AC	1	n/a	-	85	Ld-Ld	-	300	50	82	3	n/a	1
V82ZA4 (b)	5	50	AC	1	n/a	-	85	Ld-Ld	-	240	50	82	1	n/a	1
ULTRAMOV Series															
V14E230P (c)	5	230	AC	1	n/a	-	105	Ld-Ld	-	920	230	361	3	n/a	1
V14E250P (c)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1010	250	391	3	n/a	1
V14E275P (c)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1120	275	431	3	n/a	1
V14E300P (c)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1230	300	471	3	n/a	1
V14E320P (c)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1330	320	511	3	n/a	1
V14E385P (c)	5	385	AC	1	n/a	-	105	Ld-Ld	-	1580	385	621	3	n/a	1
V14E420P (c)	5	420	AC	1	n/a	-	105	Ld-Ld	-	1710	420	681	3	n/a	1
V14E440P (c)	5	440	AC	1	n/a	-	105	Ld-Ld	-	1780	440	715	3	n/a	1
V20E130P (c)	5	130	AC	1	n/a	-	105	Ld-Ld	-	610	130	205	5	n/a	1
V20E140P (c)	5	140	AC	1	n/a	-	105	Ld-Ld	-	680	140	221	5	n/a	1
V20E150P (c)	5	150	AC	1	n/a	-	105	Ld-Ld	-	770	150	241	5	n/a	1
V20E175P (c)	5	175	AC	1	n/a	-	105	Ld-Ld	-	910	175	271	5	n/a	1
V20E230P (c)	5	230	AC	1	n/a	-	105	Ld-Ld	-	960	230	361	5	n/a	1
V20E250P (c)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1030	250	391	5	n/a	1
V20E275P (c)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1130	275	431	5	n/a	1
V20E300P (c)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1220	300	511	5	n/a	1
V20E320P (c)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1300	320	511	5	n/a	1
V20E385P (c)	5	385	AC	1	n/a	-	105	Ld-Ld	-	1490	385	621	5	n/a	1
V20E420P (c)	5	420	AC	1	n/a	-	105	Ld-Ld	-	1590	420	681	5	n/a	1
V20E440P (c)	5	440	AC	1	n/a	-	105	Ld-Ld	-	1640	440	715	5	n/a	1
V20E460P (c)	5	460	AC	1	n/a	-	105	Ld-Ld	-	1700	460	751	5	n/a	1
V20E510P (c)	5	510	AC	1	n/a	-	105	Ld-Ld	-	2170	510	821	5	n/a	1
V20E550P (c)	5	550	AC	1	n/a	-	105	Ld-Ld	-	2390	550	911	5	n/a	1
V20E625P (c)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2600	625	1001	5	n/a	1
UltraMOV															
P14V130 (c)	5	130	AC	1	N/A	-40	105	Ld-Ld	-	540	130	205	3	N/A	1
P14V140 (c)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	570	140	220	3	N/A	1
P14V150 (c)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	610	150	240	3	N/A	1
P14V175 (c)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	670	175	270	3	N/A	1
P14V460 (c)	5	460	AC	1	N/A	-40	105	Ld-Ld	-	1820	460	750	3	N/A	1
P14V510 (c)	5	510	AC	1	N/A	-40	105	Ld-Ld	-	1970	510	820	3	N/A	1
P14V550 (c)	5	550	AC	1	N/A	-40	105	Ld-Ld	-	2170	550	910	3	N/A	1
P14V625 (c)	5	625	AC	1	N/A	-40	105	Ld-Ld	-	2370	625	1000	3	N/A	1
V14E130P (c)	5	130	AC	1	N/A	-40	105	Ld-Ld	-	540	130	205	3	N/A	1
V14E140P (c)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	570	140	220	3	N/A	1
V14E150P (c)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	610	150	240	3	N/A	1
V14E175P (c)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	670	175	270	3	N/A	1

V14E460P (c)	5	460	AC	1	N/A	-40	105	Ld-Ld	-	1820	460	750	3	N/A	1
V14E510P (c)	5	510	AC	1	N/A	-40	105	Ld-Ld	-	1970	510	820	3	N/A	1
V14E550P (c)	5	550	AC	1	N/A	-40	105	Ld-Ld	-	2170	550	910	3	N/A	1
V14E625P (c)	5	625	AC	1	N/A	-40	105	Ld-Ld	-	2370	625	1000	3	N/A	1
V20P550P (c)	5	550	AC	1	N/A	-	125	Ld-Ld	-	1950	550	910	5	N/A	1
UltramMOV25															
V25S115P (c)	5	115	AC	1	N/A	-40	85	Ld-Ld	-	540	115	180	10	N/A	1
V25S130P (c)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	580	130	205	10	N/A	1
V25S140P (c)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	610	140	220	10	N/A	1
V25S150P (c)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	670	150	240	10	N/A	1
V25S175P (c)	5	175	AC	1	N/A	-40	85	Ld-Ld	-	740	175	270	10	N/A	1
V25S230P (c)	5	230	AC	1	N/A	-40	85	Ld-Ld	-	960	230	360	10	N/A	1
V25S250P (c)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1030	250	390	10	N/A	1
V25S275P (c)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1120	275	430	10	N/A	1
V25S300P (c)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1200	300	470	10	N/A	1
V25S320P (c)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1270	320	510	10	N/A	1
V25S385P (c)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1550	385	620	10	N/A	1
V25S420P (c)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1720	420	680	10	N/A	1
V25S440P (c)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1800	440	715	10	N/A	1
V25S460P (c)	5	460	AC	1	N/A	-40	85	Ld-Ld	-	1890	460	750	10	N/A	1
V25S510P (c)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2090	510	820	10	N/A	1
V25S550P (c)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2280	550	910	10	N/A	1
V25S625P (c)	5	625	AC	1	N/A	-40	85	Ld-Ld	-	2540	625	1000	10	N/A	1
V25S750P (c)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2940	750	1200	10	N/A	1
RA															
200R22 (h)	5	130	AC	1	N/A	-40	105	Ld-Ld	-	480	130	205	3	N/A	1
220R (h)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	510	140	220	0.5	N/A	1
220R16 (h)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	510	140	220	2	N/A	1
240R (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	580	150	240	0.5	N/A	1
240R16 (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	570	150	240	2	N/A	1
240R22 (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	560	150	240	3	N/A	1
270R (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	660	175	270	0.5	N/A	1
270R16 (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	650	175	270	2	N/A	1
270R22 (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	630	175	270	3	N/A	1
360R (h)	5	230	AC	1	N/A	-40	105	Ld-Ld	-	770	230	360	0.5	N/A	1
360R16 (h)	5	230	AC	1	N/A	-40	105	Ld-Ld	-	750	230	360	2	N/A	1
390R (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	800	250	390	0.5	N/A	1
390R16 (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	760	250	390	2	N/A	1
390R22 (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	790	250	390	3	N/A	1
430R (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	1040	275	430	0.5	N/A	1
430R16 (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	870	275	430	2	N/A	1
430R22 (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	880	275	430	3	N/A	1
V200RA22 (h)	5	130	AC	1	N/A	-40	105	Ld-Ld	-	480	130	205	3	N/A	1
V220RA16 (h)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	510	140	220	2	N/A	1
V220RA8 (h)	5	140	AC	1	N/A	-40	105	Ld-Ld	-	510	140	220	0.5	N/A	1

V240RA16 (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	570	150	240	2	N/A	1
V240RA22 (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	560	150	240	3	N/A	1
V240RA8 (h)	5	150	AC	1	N/A	-40	105	Ld-Ld	-	580	150	240	0.5	N/A	1
V270RA16 (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	650	175	270	2	N/A	1
V270RA22 (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	630	175	270	3	N/A	1
V270RA8 (h)	5	175	AC	1	N/A	-40	105	Ld-Ld	-	660	175	270	0.5	N/A	1
V360RA16 (h)	5	230	AC	1	N/A	-40	105	Ld-Ld	-	750	230	360	2	N/A	1
V360RA8 (h)	5	230	AC	1	N/A	-40	105	Ld-Ld	-	770	230	360	0.5	N/A	1
V390RA16 (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	760	250	390	2	N/A	1
V390RA22 (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	790	250	390	3	N/A	1
V390RA8 (h)	5	250	AC	1	N/A	-40	105	Ld-Ld	-	800	250	390	0.5	N/A	1
V430RA16 (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	870	275	430	2	N/A	1
V430RA22 (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	880	275	430	3	N/A	1
V430RA8 (h)	5	275	AC	1	N/A	-40	105	Ld-Ld	-	1040	275	430	0.5	N/A	1
LV VAR Series															
V05E11P (c)	5	11	AC	1	n/a	-40	85	Ld-Ld	-	70	11	18	0.1	n/a	1
	5	14	DC	-	n/a	-40	85	Ld-Ld	-	70	14	18	0.1	n/a	1
V05E14P (c)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	80	14	22	0.1	n/a	1
	5	18	DC	-	n/a	-40	85	Ld-Ld	-	80	18	22	0.1	n/a	1
V05E17P (c)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	90	17	27	0.1	n/a	1
	5	22	DC	-	n/a	-40	85	Ld-Ld	-	90	22	27	0.1	n/a	1
V05E20P (c)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	110	20	33	0.1	n/a	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	110	26	33	0.1	n/a	1
V05E23P (c)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	120	23	36	0.1	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	120	28	36	0.1	n/a	1
V05E25P (c)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	120	25	39	0.1	n/a	1
	5	31	DC	-	n/a	-40	85	Ld-Ld	-	120	31	39	0.1	n/a	1
V05E30P (c)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	140	30	47	0.1	n/a	1
	5	38	DC	-	n/a	-40	85	Ld-Ld	-	140	38	47	0.1	n/a	1
V05E35P (c)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	160	35	56	0.1	n/a	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	160	45	56	0.1	n/a	1
V05E40P (c)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	180	40	68	0.1	n/a	1
	5	56	DC	-	n/a	-40	85	Ld-Ld	-	180	56	68	0.1	n/a	1
V05E50P (c)	5	50	AC	1	n/a	-40	85	Ld-Ld	-	190	50	82	0.25	n/a	1
	5	65	DC	-	n/a	-40	85	Ld-Ld	-	190	65	82	0.25	n/a	1
V05E60P (c)	5	60	AC	1	n/a	-40	85	Ld-Ld	-	240	60	100	0.25	n/a	1
	5	85	DC	-	n/a	-40	85	Ld-Ld	-	240	85	100	0.25	n/a	1
V05E75P (c)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	270	75	120	0.25	n/a	1
	5	100	DC	-	n/a	-40	85	Ld-Ld	-	270	100	120	0.25	n/a	1
V05E95P (c)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	310	95	150	0.25	n/a	1
	5	125	DC	-	n/a	-40	85	Ld-Ld	-	310	125	150	0.25	n/a	1
V07E11P (c)	5	11	AC	1	n/a	-40	85	Ld-Ld	-	80	11	18	0.25	n/a	1
	5	14	DC	-	n/a	-40	85	Ld-Ld	-	80	14	18	0.25	n/a	1
V07E14P (c)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	90	14	22	0.25	n/a	1
	5	18	DC	-	n/a	-40	85	Ld-Ld	-	90	18	18	0.25	n/a	1
V07E17P (c)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	110	17	27	0.25	n/a	1

	5	22	DC	-	n/a	-40	85	Ld-Ld	-	110	22	27	0.25	n/a	1
V07E20P (c)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	120	20	33	0.25	n/a	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	120	26	33	0.25	n/a	1
V07E23P (c)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	130	23	36	0.25	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	130	28	36	0.25	n/a	1
V07E25P (c)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	130	25	39	0.25	n/a	1
	5	31	DC	-	n/a	-40	85	Ld-Ld	-	130	31	39	0.25	n/a	1
V07E30P (c)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	150	30	47	0.25	n/a	1
	5	38	DC	-	n/a	-40	85	Ld-Ld	-	150	38	47	0.25	n/a	1
V07E35P (c)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	180	35	56	0.25	n/a	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	180	45	56	0.25	n/a	1
V07E40P (c)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	210	40	68	0.25	n/a	1
	5	56	DC	-	n/a	-40	85	Ld-Ld	-	210	56	68	0.25	n/a	1
V07E50P (c)	5	50	AC	1	n/a	-40	85	Ld-Ld	-	200	50	82	0.5	n/a	1
	5	65	DC	-	n/a	-40	85	Ld-Ld	-	200	65	82	0.5	n/a	1
V07E60P (c)	5	60	AC	1	n/a	-40	85	Ld-Ld	-	240	60	100	0.5	n/a	1
	5	85	DC	-	n/a	-40	85	Ld-Ld	-	240	85	100	0.5	n/a	1
V07E75P (c)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	280	75	120	0.5	n/a	1
	5	100	DC	-	n/a	-40	85	Ld-Ld	-	280	100	120	0.5	n/a	1
V07E95P (c)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	340	95	150	0.5	n/a	1
	5	125	DC	-	n/a	-40	85	Ld-Ld	-	340	125	150	0.5	n/a	1
V10E11P (c)	5	11	AC	1	n/a	-40	85	Ld-Ld	-	90	11	18	0.5	n/a	1
	5	14	DC	-	n/a	-40	85	Ld-Ld	-	90	14	18	0.5	n/a	1
V10E14P (c)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	110	14	22	0.5	n/a	1
	5	18	DC	-	n/a	-40	85	Ld-Ld	-	110	18	22	0.5	n/a	1
V10E17P (c)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	120	17	27	0.5	n/a	1
	5	22	DC	-	n/a	-40	85	Ld-Ld	-	120	22	27	0.5	n/a	1
V10E20P (c)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	140	20	33	0.5	n/a	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	140	26	33	0.5	n/a	1
V10E23P (c)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	150	23	36	0.5	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	150	28	36	0.5	n/a	1
V10E25P (c)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	150	25	39	0.5	n/a	1
	5	31	DC	-	n/a	-40	85	Ld-Ld	-	150	31	39	0.5	n/a	1
V10E30P (c)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	170	30	47	0.5	n/a	1
	5	38	DC	-	n/a	-40	85	Ld-Ld	-	170	38	47	0.5	n/a	1
V10E35P (c)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	200	35	56	0.5	n/a	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	200	45	56	0.5	n/a	1
V10E40P (c)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	220	40	68	0.5	n/a	1
	5	56	DC	-	n/a	-40	85	Ld-Ld	-	220	56	68	0.5	n/a	1
V10E50P (c)	5	50	AC	1	n/a	-40	85	Ld-Ld	-	210	50	82	1	n/a	1
	5	65	DC	-	n/a	-40	85	Ld-Ld	-	210	65	82	1	n/a	1
V10E60P (c)	5	60	AC	1	n/a	-40	85	Ld-Ld	-	250	60	100	1	n/a	1
	5	85	DC	-	n/a	-40	85	Ld-Ld	-	250	85	100	1	n/a	1
V10E75P (c)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	290	75	120	1	n/a	1
	5	100	DC	-	n/a	-40	85	Ld-Ld	-	290	100	120	1	n/a	1

V10E95P (c)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	350	95	150	1	n/a	1
	5	125	DC	-	n/a	-40	85	Ld-Ld	-	350	125	150	1	n/a	1
V14E11P (c)	5	11	AC	1	n/a	-40	85	Ld-Ld	-	110	11	18	1	n/a	1
	5	14	DC	-	n/a	-40	85	Ld-Ld	-	110	14	18	1	n/a	1
V14E14P (c)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	120	14	22	1	n/a	1
	5	18	DC	-	n/a	-40	85	Ld-Ld	-	120	18	22	1	n/a	1
V14E17P (c)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	140	17	27	1	n/a	1
	5	22	DC	-	n/a	-40	85	Ld-Ld	-	140	22	27	1	n/a	1
V14E20P (c)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	150	20	33	1	n/a	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	150	26	33	1	n/a	1
V14E23P (c)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	160	23	36	1	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	160	28	36	1	n/a	1
V14E25P (c)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	160	25	39	1	n/a	1
	5	31	DC	-	n/a	-40	85	Ld-Ld	-	160	31	39	1	n/a	1
V14E30P (c)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	180	30	47	1	n/a	1
	5	38	DC	-	n/a	-40	85	Ld-Ld	-	180	38	47	1	n/a	1
V14E35P (c)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	210	35	56	1	n/a	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	210	45	56	1	n/a	1
V14E40P (c)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	230	40	68	1	n/a	1
	5	56	DC	-	n/a	-40	85	Ld-Ld	-	230	56	68	1	n/a	1
V14E50P (c)	5	50	AC	1	n/a	-40	85	Ld-Ld	-	210	50	82	2	n/a	1
	5	65	DC	-	n/a	-40	85	Ld-Ld	-	210	65	82	2	n/a	1
V14E60P (c)	5	60	AC	1	n/a	-40	85	Ld-Ld	-	250	60	100	2	n/a	1
	5	85	DC	-	n/a	-40	85	Ld-Ld	-	250	85	100	2	n/a	1
V14E75P (c)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	300	75	120	2	n/a	1
	5	100	DC	-	n/a	-40	85	Ld-Ld	-	300	100	120	2	n/a	1
V14E95P (c)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	360	95	150	2	n/a	1
	5	125	DC	-	n/a	-40	85	Ld-Ld	-	360	125	150	2	n/a	1
V20E11P (c)	5	11	AC	1	n/a	-40	85	Ld-Ld	-	130	11	18	1.5	n/a	1
	5	14	DC	-	n/a	-40	85	Ld-Ld	-	130	14	18	1.5	n/a	1
V20E14P (c)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	140	14	22	1.5	n/a	1
	5	18	DC	-	n/a	-40	85	Ld-Ld	-	140	18	22	1.5	n/a	1
V20E17P (c)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	150	17	27	1.5	n/a	1
	5	22	DC	-	n/a	-40	85	Ld-Ld	-	150	22	27	1.5	n/a	1
V20E20P (c)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	160	20	33	1.5	n/a	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	160	26	33	1.5	n/a	1
V20E23P (c)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	170	23	36	1.5	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	170	28	36	1.5	n/a	1
V20E25P (c)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	170	25	39	1.5	n/a	1
	5	31	DC	-	n/a	-40	85	Ld-Ld	-	170	31	39	1.5	n/a	1
V20E30P (c)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	190	30	47	1.5	n/a	1
	5	38	DC	-	n/a	-40	85	Ld-Ld	-	190	38	47	1.5	n/a	1
V20E35P (c)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	210	35	56	1.5	n/a	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	210	45	56	1.5	n/a	1
V20E40P (c)	5	40	AC	1	n/a	-40	85	Ld-Ld	-	220	40	68	1.5	n/a	1
	5	56	DC	-	n/a	-40	85	Ld-Ld	-	220	56	68	1.5	n/a	1

V20E50P (c)	5	50	AC	1	n/a	-40	85	Ld-Ld	-	210	50	82	3	n/a	1
	5	65	DC	-	n/a	-40	85	Ld-Ld	-	210	65	82	3	n/a	1
V20E60P (c)	5	60	AC	1	n/a	-40	85	Ld-Ld	-	250	60	100	3	n/a	1
	5	85	DC	-	n/a	-40	85	Ld-Ld	-	250	85	100	3	n/a	1
V20E75P (c)	5	75	AC	1	n/a	-40	85	Ld-Ld	-	280	75	120	3	n/a	1
	5	100	DC	-	n/a	-40	85	Ld-Ld	-	280	100	120	3	n/a	1
V20E95P (c)	5	95	AC	1	n/a	-40	85	Ld-Ld	-	340	95	150	3	n/a	1
	5	125	DC	-	n/a	-40	85	Ld-Ld	-	340	125	150	3	n/a	1
LA Series															
V1000LA160AP (e)	5	1000	AC	1	n/a	-	105	Ld-Ld	-	3650	1000	1513	5	n/a	1
V1000LA160BP (e)	5	1000	AC	1	n/a	-	105	Ld-Ld	-	3650	1000	1513	5	n/a	1
V130LA20AP (e)	5	130	AC	1	n/a	-	105	Ld-Ld	-	610	130	206	5	n/a	1
V130LA20BP (e)	5	130	AC	1	n/a	-	105	Ld-Ld	-	610	130	206	5	n/a	1
V140LA20AP (e)	5	140	AC	1	n/a	-	105	Ld-Ld	-	650	140	220	5	n/a	1
V140LA20BP (e)	5	140	AC	1	n/a	-	105	Ld-Ld	-	650	140	220	5	n/a	1
V150LA20AP (e)	5	150	AC	1	n/a	-	105	Ld-Ld	-	690	150	240	5	n/a	1
V150LA20BP (e)	5	150	AC	1	n/a	-	105	Ld-Ld	-	690	150	240	5	n/a	1
V175LA20AP (e)	5	175	AC	1	n/a	-	105	Ld-Ld	-	770	175	275	5	n/a	1
V175LA20BP (e)	5	175	AC	1	n/a	-	105	Ld-Ld	-	770	175	275	5	n/a	1
V230LA40AP (e)	5	230	AC	1	n/a	-	105	Ld-Ld	-	950	230	361	5	n/a	1
V230LA40BP (e)	5	230	AC	1	n/a	-	105	Ld-Ld	-	950	230	361	5	n/a	1
V250LA40AP (e)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1170	250	392	5	n/a	1
V250LA40BP (e)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1170	250	392	5	n/a	1
V275LA40AP (e)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1440	275	431	5	n/a	1
V275LA40BP (e)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1440	275	431	5	n/a	1
V300LA40AP (e)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1680	300	469	5	n/a	1
V300LA40BP (e)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1680	300	469	5	n/a	1
V320LA40AP (e)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1810	320	501	5	n/a	1
V320LA40BP (e)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1810	320	501	5	n/a	1
V385LA40AP (e)	5	385	AC	1	n/a	-	105	Ld-Ld	-	2080	385	621	5	n/a	1
V385LA40BP (e)	5	385	AC	1	n/a	-	105	Ld-Ld	-	2080	385	621	5	n/a	1
V420LA40AP (e)	5	420	AC	1	n/a	-	105	Ld-Ld	-	2080	420	665	5	n/a	1
V420LA40BP (e)	5	420	AC	1	n/a	-	105	Ld-Ld	-	2080	420	665	5	n/a	1
V440LA40AP (e)	5	440	AC	1	n/a	-	105	Ld-Ld	-	2160	440	715	5	n/a	1
V440LA40BP (e)	5	440	AC	1	n/a	-	105	Ld-Ld	-	2160	440	715	5	n/a	1
V460LA40AP (e)	5	460	AC	1	n/a	-	105	Ld-Ld	-	2160	460	751	5	n/a	1
V460LA40BP (e)	5	460	AC	1	n/a	-	105	Ld-Ld	-	2160	460	751	5	n/a	1
V480LA80AP (e)	5	480	AC	1	n/a	-	105	Ld-Ld	-	2270	480	731	5	n/a	1
V480LA80BP (e)	5	480	AC	1	n/a	-	105	Ld-Ld	-	2270	480	731	5	n/a	1
V510LA80AP (e)	5	510	AC	1	n/a	-	105	Ld-Ld	-	2360	510	798	5	n/a	1
V510LA80BP (e)	5	510	AC	1	n/a	-	105	Ld-Ld	-	2360	510	798	5	n/a	1
V550LA80AP (e)	5	550	AC	1	n/a	-	105	Ld-Ld	-	2430	550	875	5	n/a	1
V550LA80BP (e)	5	550	AC	1	n/a	-	105	Ld-Ld	-	2430	550	875	5	n/a	1
V575LA80AP (e)	5	575	AC	1	n/a	-	105	Ld-Ld	-	2450	575	883	5	n/a	1
V575LA80BP (e)	5	575	AC	1	n/a	-	105	Ld-Ld	-	2450	575	883	5	n/a	1

V625LA80AP (e)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2550	625	1001	5	n/a	1
V625LA80BP (e)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2550	625	1001	5	n/a	1
V660LA100AP (e)	5	660	AC	1	n/a	-	105	Ld-Ld	-	2580	660	1021	5	n/a	1
V660LA100BP (e)	5	660	AC	1	n/a	-	105	Ld-Ld	-	2580	660	1021	5	n/a	1
V680LA100AP (e)	5	680	AC	1	n/a	-	105	Ld-Ld	-	2640	680	1061	5	n/a	1
V680LA100BP (e)	5	680	AC	1	n/a	-	105	Ld-Ld	-	2640	680	1061	5	n/a	1
HG34															
V111HG34 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131HG34 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	690	130	200	20	N/A	1
V141HG34 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151HG34 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	760	150	240	20	N/A	1
V181HG34 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	850	180	282	20	N/A	1
V201HG34 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	920	200	314	20	N/A	1
V251HG34 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1080	250	390	20	N/A	1
V271HG34 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1170	275	430	20	N/A	1
V301HG34 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1280	300	478	20	N/A	1
V321HG34 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1360	320	510	20	N/A	1
V331HG34 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1370	330	519	20	N/A	1
V351HG34 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1440	350	550	20	N/A	1
V391HG34 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1570	385	604	20	N/A	1
V421HG34 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1740	420	680	20	N/A	1
V441HG34 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1760	440	691	20	N/A	1
V481HG34 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1890	480	750	20	N/A	1
V511HG34 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2060	510	820	20	N/A	1
V551HG34 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2160	550	864	20	N/A	1
V571HG34 (h)	5	570	AC	1	N/A	-40	85	Ld-Ld	-	2250	575	910	20	N/A	1
V661HG34 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2610	660	1050	20	N/A	1
V681HG34 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2650	680	1068	20	N/A	1
V751HG34 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2970	750	1200	20	N/A	1
HF34															
V111HF34 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131HF34 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	690	130	200	20	N/A	1
V141HF34 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151HF34 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	760	150	240	20	N/A	1
V181HF34 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	850	180	282	20	N/A	1
V201HF34 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	920	200	314	20	N/A	1
V251HF34 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1080	250	390	20	N/A	1
V271HF34 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1170	275	430	20	N/A	1
V301HF34 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1280	300	478	20	N/A	1
V321HF34 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1360	320	510	20	N/A	1
V331HF34 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1370	330	519	20	N/A	1
V351HF34 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1440	350	550	20	N/A	1
V391HF34 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1570	385	604	20	N/A	1
V421HF34 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1740	420	680	20	N/A	1
V441HF34 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1760	440	691	20	N/A	1
V481HF34 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1890	480	750	20	N/A	1

V511HF34 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2060	510	820	20	N/A	1
V551HF34 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2160	550	864	20	N/A	1
V571HF34 (h)	5	570	AC	1	N/A	-40	85	Ld-Ld	-	2250	575	910	20	N/A	1
V661HF34 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2610	660	1050	20	N/A	1
V681HF34 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2650	680	1068	20	N/A	1
V751HF34 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2970	750	1200	20	N/A	1
HC40															
V111HC40 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131HC40 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	680	130	200	20	N/A	1
V141HC40 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151HC40 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	750	150	240	20	N/A	1
V181HC40 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	840	180	282	20	N/A	1
V201HC40 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	900	200	314	20	N/A	1
V251HC40 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1060	250	390	20	N/A	1
V271HC40 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1150	275	430	20	N/A	1
V301HC40 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1260	300	478	20	N/A	1
V321HC40 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1330	320	510	20	N/A	1
V331HC40 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1340	330	519	20	N/A	1
V351HC40 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1410	350	550	20	N/A	1
V391HC40 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1530	385	604	20	N/A	1
V421HC40 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1700	420	680	20	N/A	1
V441HC40 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1720	440	691	20	N/A	1
V481HC40 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1850	480	750	20	N/A	1
V511HC40 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2010	510	820	20	N/A	1
V551HC40 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2110	550	864	20	N/A	1
V571HC40 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2200	575	910	20	N/A	1
V661HC40 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2530	660	1050	20	N/A	1
V681HC40 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2580	680	1068	20	N/A	1
V751HC40 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2880	750	1200	20	N/A	1
HC32															
V111HC32 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	490	110	173	10	N/A	1
V131HC32 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	550	130	200	10	N/A	1
V141HC32 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	590	140	220	10	N/A	1
V151HC32 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	620	150	240	10	N/A	1
V181HC32 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	710	180	282	10	N/A	1
V201HC32 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	780	200	314	10	N/A	1
V251HC32 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	950	250	390	10	N/A	1
V271HC32 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1050	275	430	10	N/A	1
V301HC32 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1170	300	478	10	N/A	1
V321HC32 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1250	320	510	10	N/A	1
V331HC32 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1270	330	519	10	N/A	1
V351HC32 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1340	350	550	10	N/A	1
V391HC32 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1460	385	604	10	N/A	1
V421HC32 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1620	420	680	10	N/A	1
V441HC32 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1640	440	691	10	N/A	1

V481HC32 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1760	480	750	10	N/A	1
V511HC32 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	1920	510	820	10	N/A	1
V551HC32 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2000	550	864	10	N/A	1
V571HC32 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2080	575	910	10	N/A	1
V661HC32 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2380	660	1050	10	N/A	1
V681HC32 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2410	680	1068	10	N/A	1
V751HC32 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2680	750	1200	10	N/A	1
HB34															
V111HB34 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131HB34 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	690	130	200	20	N/A	1
V141HB34 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151HB34 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	760	150	240	20	N/A	1
V181HB34 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	850	180	282	20	N/A	1
V201HB34 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	920	200	314	20	N/A	1
V251HB34 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1080	250	390	20	N/A	1
V271HB34 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1170	275	430	20	N/A	1
V301HB34 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1280	300	478	20	N/A	1
V321HB34 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1360	320	510	20	N/A	1
V331HB34 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1370	330	519	20	N/A	1
V351HB34 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1440	350	550	20	N/A	1
V391HB34 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1570	385	604	20	N/A	1
V421HB34 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1740	420	680	20	N/A	1
V441HB34 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1760	440	691	20	N/A	1
V481HB34 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1890	480	750	20	N/A	1
V511HB34 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2060	510	820	20	N/A	1
V551HB34 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2160	550	864	20	N/A	1
V571HB34 (h)	5	570	AC	1	N/A	-40	85	Ld-Ld	-	2250	575	910	20	N/A	1
V661HB34 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2610	660	1050	20	N/A	1
V681HB34 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2650	680	1068	20	N/A	1
V751HB34 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2970	750	1200	20	N/A	1
HA40															
V111HA40 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131HA40 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	680	130	200	20	N/A	1
V141HA40 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151HA40 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	750	150	240	20	N/A	1
V181HA40 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	840	180	282	20	N/A	1
V201HA40 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	900	200	314	20	N/A	1
V251HA40 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1060	250	390	20	N/A	1
V271HA40 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1150	275	430	20	N/A	1
V301HA40 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1260	300	478	20	N/A	1
V321HA40 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1330	320	510	20	N/A	1
V331HA40 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1340	330	519	20	N/A	1
V351HA40 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1410	350	550	20	N/A	1
V391HA40 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1530	385	604	20	N/A	1
V421HA40 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1700	420	680	20	N/A	1
V441HA40 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1720	440	691	20	N/A	1

V481HA40 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1850	480	750	20	N/A	1
V511HA40 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2010	510	820	20	N/A	1
V551HA40 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2110	550	864	20	N/A	1
V571HA40 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2200	575	910	20	N/A	1
V661HA40 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2530	660	1050	20	N/A	1
V681HA40 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2580	680	1068	20	N/A	1
V751HA40 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2880	750	1200	20	N/A	1
HA32															
V111HA32 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	490	110	173	10	N/A	1
V131HA32 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	550	130	200	10	N/A	1
V141HA32 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	590	140	220	10	N/A	1
V151HA32 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	620	150	240	10	N/A	1
V181HA32 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	710	180	282	10	N/A	1
V201HA32 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	780	200	314	10	N/A	1
V251HA32 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	950	250	390	10	N/A	1
V271HA32 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1050	275	430	10	N/A	1
V301HA32 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1170	300	478	10	N/A	1
V321HA32 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1250	320	510	10	N/A	1
V331HA32 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1270	330	519	10	N/A	1
V351HA32 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1340	350	550	10	N/A	1
V391HA32 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1460	385	604	10	N/A	1
V421HA32 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1620	420	680	10	N/A	1
V441HA32 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1640	440	691	10	N/A	1
V481HA32 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1760	480	750	10	N/A	1
V511HA32 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	1920	510	820	10	N/A	1
V551HA32 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2000	550	864	10	N/A	1
V571HA32 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2080	575	910	10	N/A	1
V661HA32 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2380	660	1050	10	N/A	1
V681HA32 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2410	680	1068	10	N/A	1
V751HA32 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2680	750	1200	10	N/A	1
Gas tube															
AC120L+	5	110	AC	1	N/A	-40	85	Ld-Ld	-	590	110	N/A	3	N/A	1,3
CG2300 f/b LD or TRD+	5	110	AC	1	N/A	-40	85	Ld-Ld	-	590	110	N/A	3	N/A	1,3
CG2470 f/b LD or LSNTRD+	5	230	AC	1	N/A	-40	85	Ld-Ld	-	980	230	N/A	3	N/A	1,3
CG31.0L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	1510	380	N/A	3	N/A	1,3
CG31.1L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	1620	380	N/A	3	N/A	1,3
CG31.2L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	1730	380	N/A	3	N/A	1,3
CG31.3L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	1770	380	N/A	3	N/A	1,3
CG31.5 may be f/b L or LTR+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	2040	380	N/A	3	N/A	1,3
CG32.0L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	2760	380	N/A	3	N/A	1,3
CG32.5L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	3410	380	N/A	3	N/A	1,3
CG32.7L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	3440	380	N/A	3	N/A	1,3
CG33.0L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	3610	380	N/A	3	N/A	1,3
CG33.2L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	3850	380	N/A	3	N/A	1,3

CG33.3L+	5	380	AC	1	N/A	-40	85	Ld-Ld	-	4110	380	N/A	3	N/A	1,3
Gas Discharge Tube															
AC240L+	5	250	AC	1	n/a	-	85	Ld-Ld	-	1160	250	n/a	3	n/a	1, 3
CG2600 f/b LD+	5	250	AC	1	n/a	-	85	Ld-Ld	-	1160	250	n/a	3	n/a	1, 3
P100A1500J (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	2360	220	n/a	3	n/a	1,3
P100A350G (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1280	220	n/a	3	n/a	1,3
P100A3600J (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	3890	220	n/a	3	n/a	1,3
P100A600J (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1390	220	n/a	3	n/a	1,3
P100A800J (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1660	220	n/a	3	n/a	1,3
P20A350 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1300	220	n/a	3	n/a	1,3
P20A600 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1470	220	n/a	3	n/a	1,3
P20A800 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1680	220	n/a	3	n/a	1,3
P40A350 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1220	220	n/a	3	n/a	1,3
P40A350C (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1160	220	n/a	3	n/a	1,3
P40A600 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1320	220	n/a	3	n/a	1,3
P40A600C (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1180	220	n/a	3	n/a	1,3
P40A800 (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1580	220	n/a	3	n/a	1,3
P40A800C (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1260	220	n/a	3	n/a	1,3
P50A350G (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1140	220	n/a	3	n/a	1,3
P50A600G (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1270	220	n/a	3	n/a	1,3
P50A800G (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1320	220	n/a	3	n/a	1,3
P60A350D (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1200	220	n/a	3	n/a	1,3
P60A600D (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1210	220	n/a	3	n/a	1,3
P60A800D (h)	5	220	AC	1	n/a	0	85	Ld-Ld	-	1270	220	n/a	3	n/a	1,3
DHB34															
V111DHB34 (h)	5	110	AC	1	N/A	-40	85	Ld-Ld	-	620	110	173	20	N/A	1
V131DHB34 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	690	130	200	20	N/A	1
V141DHB34 (h)	5	140	AC	1	N/A	-40	85	Ld-Ld	-	720	140	220	20	N/A	1
V151DHB34 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	760	150	240	20	N/A	1
V181DHB34 (h)	5	180	AC	1	N/A	-40	85	Ld-Ld	-	850	180	282	20	N/A	1
V201DHB34 (h)	5	200	AC	1	N/A	-40	85	Ld-Ld	-	920	200	314	20	N/A	1
V251DHB34 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1080	250	390	20	N/A	1
V271DHB34 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1170	275	430	20	N/A	1
V301DHB34 (h)	5	300	AC	1	N/A	-40	85	Ld-Ld	-	1280	300	478	20	N/A	1
V321DHB34 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1360	320	510	20	N/A	1
V331DHB34 (h)	5	330	AC	1	N/A	-40	85	Ld-Ld	-	1370	330	519	20	N/A	1
V351DHB34 (h)	5	350	AC	1	N/A	-40	85	Ld-Ld	-	1440	350	550	20	N/A	1
V391DHB34 (h)	5	385	AC	1	N/A	-40	85	Ld-Ld	-	1570	385	604	20	N/A	1
V421DHB34 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1740	420	680	20	N/A	1
V441DHB34 (h)	5	440	AC	1	N/A	-40	85	Ld-Ld	-	1760	440	691	20	N/A	1
V481DHB34 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1890	480	750	20	N/A	1
V511DHB34 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2060	510	820	20	N/A	1
V551DHB34 (h)	5	550	AC	1	N/A	-40	85	Ld-Ld	-	2160	550	864	20	N/A	1
V571DHB34 (h)	5	570	AC	1	N/A	-40	85	Ld-Ld	-	2250	575	910	20	N/A	1
V661DHB34 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2610	660	1050	20	N/A	1
V681DHB34 (h)	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2650	680	1068	20	N/A	1

V751DHB34 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2970	750	1200	20	N/A	1
DB40															
V131DB40 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	680	130	200	20	N/A	1
V151DB40 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	750	150	240	20	N/A	1
V251DB40 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1060	250	390	20	N/A	1
V271DB40 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1150	275	430	20	N/A	1
V321DB40 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1330	320	510	20	N/A	1
V421DB40 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1700	420	680	20	N/A	1
V481DB40 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1850	480	750	20	N/A	1
V511DB40 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2010	510	820	20	N/A	1
V571DB40 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2200	575	910	20	N/A	1
V661DB40 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2530	660	1050	20	N/A	1
V751DB40 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2880	750	1200	20	N/A	1
DA40															
V131DA40 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	680	130	200	20	N/A	1
V151DA40 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	750	150	240	20	N/A	1
V251DA40 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	1060	250	390	20	N/A	1
V271DA40 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1150	275	430	20	N/A	1
V321DA40 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1330	320	510	20	N/A	1
V421DA40 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1700	420	680	20	N/A	1
V481DA40 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1850	480	750	20	N/A	1
V511DA40 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	2010	510	820	20	N/A	1
V571DA40 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2200	575	910	20	N/A	1
V661DA40 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2530	660	1050	20	N/A	1
V751DA40 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2880	750	1200	20	N/A	1
C-III Series															
V1000LA160CP (e)	5	1000	AC	1	n/a	-	105	Ld-Ld	-	3920	1000	1613	5	n/a	1
V1000LA80CP (e)	5	1000	AC	1	n/a	-	105	Ld-Ld	-	2820	1000	1613	3	n/a	1
V130LA10CP (e)	5	130	AC	1	n/a	-	105	Ld-Ld	-	580	130	206	3	n/a	1
V130LA20CP (e)	5	130	AC	1	n/a	-	105	Ld-Ld	-	620	130	206	5	n/a	1
V130LA5CP (e)	5	130	AC	1	n/a	-	105	Ld-Ld	-	580	130	206	2	n/a	1
V140LA10CP (e)	5	140	AC	1	n/a	-	105	Ld-Ld	-	650	140	220	3	n/a	1
V140LA20CP (e)	5	140	AC	1	n/a	-	105	Ld-Ld	-	660	140	220	5	n/a	1
V140LA5CP (e)	5	140	AC	1	n/a	-	105	Ld-Ld	-	650	140	220	2	n/a	1
V150LA10CP (e)	5	150	AC	1	n/a	-	105	Ld-Ld	-	740	150	240	3	n/a	1
V150LA20CP (e)	5	150	AC	1	n/a	-	105	Ld-Ld	-	700	150	240	5	n/a	1
V150LA5CP (e)	5	150	AC	1	n/a	-	105	Ld-Ld	-	730	150	240	2	n/a	1
V175LA10CP (e)	5	175	AC	1	n/a	-	105	Ld-Ld	-	900	175	275	3	n/a	1
V175LA20CP (e)	5	175	AC	1	n/a	-	105	Ld-Ld	-	770	175	275	5	n/a	1
V175LA5CP (e)	5	175	AC	1	n/a	-	105	Ld-Ld	-	880	175	275	2	n/a	1
V230LA10CP (e)	5	230	AC	1	n/a	-	105	Ld-Ld	-	900	230	360	2	n/a	1
V230LA20CP (e)	5	230	AC	1	n/a	-	105	Ld-Ld	-	910	230	360	3	n/a	1
V230LA40CP (e)	5	230	AC	1	n/a	-	105	Ld-Ld	-	780	230	360	5	n/a	1
V250LA10CP (e)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1010	250	391.5	2	n/a	1
V250LA20CP (e)	5	250	AC	1	n/a	-	105	Ld-Ld	-	1030	250	391.5	3	n/a	1

V250LA40CP (e)	5	250	AC	1	n/a	-	105	Ld-Ld	-	960	250	391.5	5	n/a	1
V275LA10CP (e)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1140	275	431	2	n/a	1
V275LA20CP (e)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1160	275	431	3	n/a	1
V275LA40CP (e)	5	275	AC	1	n/a	-	105	Ld-Ld	-	1060	275	431	5	n/a	1
V300LA10CP (e)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1260	300	468.5	2	n/a	1
V300LA20CP (e)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1290	300	468.5	3	n/a	1
V300LA40CP (e)	5	300	AC	1	n/a	-	105	Ld-Ld	-	1190	300	468.5	5	n/a	1
V320LA10CP (e)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1420	320	513.5	2	n/a	1
V320LA20CP (e)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1460	320	513.5	3	n/a	1
V320LA40CP (e)	5	320	AC	1	n/a	-	105	Ld-Ld	-	1350	320	513.5	5	n/a	1
V385LA10CP (e)	5	385	AC	1	n/a	-	105	Ld-Ld	-	1780	385	620	2	n/a	1
V385LA20CP (e)	5	385	AC	1	n/a	-	105	Ld-Ld	-	1830	385	620	3	n/a	1
V385LA40CP (e)	5	385	AC	1	n/a	-	105	Ld-Ld	-	2030	385	620	5	n/a	1
V420LA10CP (e)	5	420	AC	1	n/a	-	105	Ld-Ld	-	1910	420	679	2	n/a	1
V420LA20CP (e)	5	420	AC	1	n/a	-	105	Ld-Ld	-	1890	420	679	3	n/a	1
V420LA40CP (e)	5	420	AC	1	n/a	-	105	Ld-Ld	-	1580	420	679	5	n/a	1
V460LA10CP (e)	5	460	AC	1	n/a	-	105	Ld-Ld	-	1990	460	715	2	n/a	1
V460LA20CP (e)	5	460	AC	1	n/a	-	105	Ld-Ld	-	1930	460	715	3	n/a	1
V460LA40CP (e)	5	460	AC	1	n/a	-	105	Ld-Ld	-	1640	460	715	5	n/a	1
V480LA10CP (e)	5	480	AC	1	n/a	-	105	Ld-Ld	-	2060	480	747.5	2	n/a	1
V480LA40CP (e)	5	480	AC	1	n/a	-	105	Ld-Ld	-	1960	480	747.5	3	n/a	1
V480LA80CP (e)	5	480	AC	1	n/a	-	105	Ld-Ld	-	1680	480	747.5	5	n/a	1
V510LA10CP (e)	5	510	AC	1	n/a	-	105	Ld-Ld	-	2230	510	822.5	2	n/a	1
V510LA40CP (e)	5	510	AC	1	n/a	-	105	Ld-Ld	-	2040	510	822.5	3	n/a	1
V510LA80CP (e)	5	510	AC	1	n/a	-	105	Ld-Ld	-	1800	510	822.5	5	n/a	1
V550LA10CP (e)	5	550	AC	1	n/a	-	105	Ld-Ld	-	2340	550	875	2	n/a	1
V550LA40CP (e)	5	550	AC	1	n/a	-	105	Ld-Ld	-	2090	550	875	3	n/a	1
V550LA80CP (e)	5	550	AC	1	n/a	-	105	Ld-Ld	-	1880	550	875	5	n/a	1
V575LA10CP (e)	5	575	AC	1	n/a	-	105	Ld-Ld	-	2400	575	902.5	2	n/a	1
V575LA40CP (e)	5	575	AC	1	n/a	-	105	Ld-Ld	-	2120	575	902.5	3	n/a	1
V575LA80CP (e)	5	575	AC	1	n/a	-	105	Ld-Ld	-	2120	575	902.5	5	n/a	1
V625LA10CP (e)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2610	625	1000	2	n/a	1
V625LA40CP (e)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2210	625	1000	3	n/a	1
V625LA80CP (e)	5	625	AC	1	n/a	-	105	Ld-Ld	-	2190	625	1000	5	n/a	1
V660LA10CP (e)	5	660	AC	1	n/a	-	105	Ld-Ld	-	2780	660	1075	2	n/a	1
V660LA50CP (e)	5	660	AC	1	n/a	-	105	Ld-Ld	-	2290	660	1075	3	n/a	1
V660LA80CP (e)	5	660	AC	1	n/a	-	105	Ld-Ld	-	2400	660	1075	5	n/a	1
V680LA100CP (e)	5	680	AC	1	n/a	-	105	Ld-Ld	-	2520	680	1115	5	n/a	1
V680LA10CP (e)	5	680	AC	1	n/a	-	105	Ld-Ld	-	2860	680	1115	2	n/a	1
V680LA80CP (e)	5	680	AC	1	n/a	-	105	Ld-Ld	-	2330	680	1115	3	n/a	1
BA															
V131BA60 (h)	5	130	AC	1	N/A	-40	85	Ld-Ld	-	700	130	200	20	N/A	1
V151BA60 (h)	5	150	AC	1	N/A	-40	85	Ld-Ld	-	840	150	240	20	N/A	1
V251BA60 (h)	5	250	AC	1	N/A	-40	85	Ld-Ld	-	980	250	390	20	N/A	1
V271BA60 (h)	5	275	AC	1	N/A	-40	85	Ld-Ld	-	1130	275	430	20	N/A	1
V321BA60 (h)	5	320	AC	1	N/A	-40	85	Ld-Ld	-	1290	320	510	20	N/A	1

V421BA60 (h)	5	420	AC	1	N/A	-40	85	Ld-Ld	-	1670	420	680	20	N/A	1
V481BA60 (h)	5	480	AC	1	N/A	-40	85	Ld-Ld	-	1820	480	750	20	N/A	1
V511BA60 (h)	5	510	AC	1	N/A	-40	85	Ld-Ld	-	1980	510	820	20	N/A	1
V571BA60 (h)	5	575	AC	1	N/A	-40	85	Ld-Ld	-	2130	575	910	20	N/A	1
V661BA60 (h)	5	660	AC	1	N/A	-40	85	Ld-Ld	-	2370	660	1050	20	N/A	1
V751BA60 (h)	5	750	AC	1	N/A	-40	85	Ld-Ld	-	2660	750	1200	20	N/A	1
V881BA60 (h)	5	880	AC	1	N/A	-40	85	Ld-Ld	-	3140	880	1500	20	N/A	1
Automotive Series															
V05E14AUTO (i)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	80	14	22	0.1	n/a	1
	5	16	DC	-	n/a	-40	85	Ld-Ld	-	80	16	22	0.1	n/a	1
V05E17AUTO (i)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	90	17	27	0.1	n/a	1
	5	20	DC	-	n/a	-40	85	Ld-Ld	-	90	20	27	0.1	n/a	1
V05E20AUTO (i)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	110	20	33	0.1	N/A	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	110	26	33	0.1	N/A	1
V05E23AUTO (i)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	120	23	36	0.1	N/A	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	120	28	36	0.1	N/A	1
V05E25AUTO (i)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	120	25	39	0.1	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	120	28	39	0.1	n/a	1
V05E30AUTO (i)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	140	30	47	0.1	n/a	1
	5	34	DC	-	n/a	-40	85	Ld-Ld	-	140	34	47	0.1	n/a	1
V05E35AUTO (i)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	160	35	56	0.1	N/A	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	160	45	56	0.1	N/A	1
V05E42AUTO (i)	5	42	AC	1	n/a	-40	85	Ld-Ld	-	180	42	68	0.1	n/a	1
	5	50	DC	-	n/a	-40	85	Ld-Ld	-	180	50	68	0.1	n/a	1
V07E14AUTO (i)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	90	14	22	0.25	n/a	1
	5	16	DC	-	n/a	-40	85	Ld-Ld	-	90	16	22	0.25	n/a	1
V07E17AUTO (i)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	110	17	27	0.25	n/a	1
	5	20	DC	-	n/a	-40	85	Ld-Ld	-	110	20	27	0.25	n/a	1
V07E20AUTO (i)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	120	20	33	0.25	N/A	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	120	26	33	0.25	N/A	1
V07E23AUTO (i)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	130	23	36	0.25	N/A	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	130	28	36	0.25	N/A	1
V07E25AUTO (i)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	130	25	39	0.25	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	130	28	39	0.25	n/a	1
V07E30AUTO (i)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	150	30	47	0.25	n/a	1
	5	34	DC	-	n/a	-40	85	Ld-Ld	-	150	34	47	0.25	n/a	1
V07E35AUTO (i)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	180	35	56	0.25	N/A	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	180	45	56	0.25	N/A	1
V07E42AUTO (i)	5	42	AC	1	n/a	-40	85	Ld-Ld	-	210	42	68	0.25	n/a	1
	5	50	DC	-	n/a	-40	85	Ld-Ld	-	210	50	68	0.25	n/a	1
V10E14AUTO (i)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	110	14	22	0.5	n/a	1
	5	16	DC	-	n/a	-40	85	Ld-Ld	-	110	16	22	0.5	n/a	1
V10E17AUTO (i)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	120	17	27	0.5	n/a	1
	5	20	DC	-	n/a	-40	85	Ld-Ld	-	120	20	27	0.5	n/a	1
V10E20AUTO (i)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	140	20	33	0.5	N/A	1

	5	26	DC	-	n/a	-40	85	Ld-Ld	-	140	26	33	0.5	N/A	1
V10E23AUTO (i)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	150	23	36	0.5	N/A	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	150	28	36	0.5	N/A	1
V10E25AUTO (i)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	150	25	39	0.5	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	150	28	39	0.5	n/a	1
V10E30AUTO (i)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	170	30	47	0.5	n/a	1
	5	34	DC	-	n/a	-40	85	Ld-Ld	-	170	34	47	0.5	n/a	1
V10E35AUTO (i)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	200	35	56	0.5	N/A	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	200	45	56	0.5	N/A	1
V10E42AUTO (i)	5	42	AC	1	n/a	-40	85	Ld-Ld	-	220	42	68	0.5	n/a	1
	5	50	DC	-	n/a	-40	85	Ld-Ld	-	220	50	68	0.5	n/a	1
V14E14AUTO (i)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	120	14	22	1	n/a	1
	5	16	DC	-	n/a	-40	85	Ld-Ld	-	120	16	22	1	n/a	1
V14E17AUTO (i)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	140	17	27	1	n/a	1
	5	20	DC	-	n/a	-40	85	Ld-Ld	-	140	20	27	1	n/a	1
V14E20AUTO (i)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	150	20	33	1	N/A	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	150	26	33	1	N/A	1
V14E23AUTO (i)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	160	23	36	1	N/A	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	160	28	36	1	N/A	1
V14E25AUTO (i)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	160	25	39	1	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	160	28	39	1	n/a	1
V14E30AUTO (i)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	180	30	47	1	n/a	1
	5	34	DC	-	n/a	-40	85	Ld-Ld	-	180	34	47	1	n/a	1
V14E35AUTO (i)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	210	35	56	1	N/A	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	210	45	56	1	N/A	1
V14E42AUTO (i)	5	42	AC	1	n/a	-40	85	Ld-Ld	-	230	42	68	1	n/a	1
	5	50	DC	-	n/a	-40	85	Ld-Ld	-	230	50	68	1	n/a	1
V20E14AUTO (i)	5	14	AC	1	n/a	-40	85	Ld-Ld	-	140	14	22	1.5	n/a	1
	5	16	DC	-	n/a	-40	85	Ld-Ld	-	140	16	22	1.5	n/a	1
V20E17AUTO (i)	5	17	AC	1	n/a	-40	85	Ld-Ld	-	150	17	27	1.5	n/a	1
	5	20	DC	-	n/a	-40	85	Ld-Ld	-	150	20	27	1.5	n/a	1
V20E20AUTO (i)	5	20	AC	1	n/a	-40	85	Ld-Ld	-	160	20	33	1.5	N/A	1
	5	26	DC	-	n/a	-40	85	Ld-Ld	-	160	26	33	1.5	N/A	1
V20E23AUTO (i)	5	23	AC	1	n/a	-40	85	Ld-Ld	-	170	23	36	1.5	N/A	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	170	28	36	1.5	N/A	1
V20E25AUTO (i)	5	25	AC	1	n/a	-40	85	Ld-Ld	-	170	25	39	1.5	n/a	1
	5	28	DC	-	n/a	-40	85	Ld-Ld	-	170	28	39	1.5	n/a	1
V20E30AUTO (i)	5	30	AC	1	n/a	-40	85	Ld-Ld	-	190	30	47	1.5	n/a	1
	5	34	DC	-	n/a	-40	85	Ld-Ld	-	190	34	47	1.5	n/a	1
V20E35AUTO (i)	5	35	AC	1	n/a	-40	85	Ld-Ld	-	210	35	56	1.5	N/A	1
	5	45	DC	-	n/a	-40	85	Ld-Ld	-	210	45	56	1.5	N/A	1
V20E42AUTO (i)	5	42	AC	1	n/a	-40	85	Ld-Ld	-	220	42	68	1.5	n/a	1
	5	50	DC	-	n/a	-40	85	Ld-Ld	-	220	50	68	1.5	n/a	1

Notes:

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.

3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.
5. Body of discrete component metal-oxide varistors (MOVs) flammability:
 - a) Min. V-0 or VTM-0.
 - b) Min. V-1 or VTM-1.
 - c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
 - d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

- May be A or B

& - May be A, B or BLANK

(@) - where * is blank or Up to six alphanumeric characters denoting packing quantity, packing method, Lead wire forming and customer code

(a) - May be followed by one, two or three digits, may be followed by A, B or C, May be followed by additional suffixes

(b) - May be followed by P, May be followed by additional suffixes. Also suffix ZA may be replaced by ZC, ZT, ZS or ZU.

(c) - May be followed by L1, L2, L3 or L4, may be followed by B, T or A, may be followed by 5, 7 or 1, May be followed by additional suffixes

(d) - Followed by E or M, may be followed by suffixes.

(e) - May be followed by additional suffixes; and LA may be replaced by LC, LS, LT or LU.

(f) - Followed by E or M, may be followed by P, may be followed by suffixes.

(h) - May be followed by additional suffixes

(i) - may be followed by L1, L2, L3, or L4, may be followed by B, T, or A, may be followed by additional suffixes.

(j) - May be followed by additional suffixes; where & may be A, B or BLANK; where ZA may also be replaced by ZC, ZT, ZS or ZU

(k) - May be followed by additional suffixes; where & may be A or B; where # may be A or B; where LA may also be replaced by LC, LT, LS or LU


(L) - May be followed by N, may be followed by H or T or A, May be followed by additional suffixes, for SPD Type other (appliances, ITE, etc.) than SPD applications

(M) - May be blank or followed by additional suffixes except N and G

* - May be followed by additional suffixes.

+ - May be followed by additional suffixes.

_ - May be blank, C or X****.

Marking: Company name, model designation and the Recognized Component Mark,  on the product or on the smallest unit container in which the product is packaged.

Last Updated on 2016-07-26

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2016 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".