PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLR230F

DOCUMENT: SCD25580
PCN: D03587
REV LETTER: D
REV DATE: July 26, 2016

Specification Status: Released

Maximum Electrical Rating

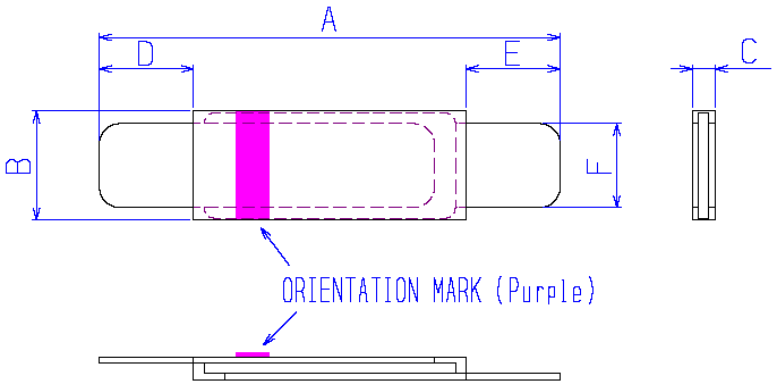
Operating Voltage: 12Vdc
Interrupt Current: 100A

Chip Size: 5 X 12mm

Leads: Nickel 1/4H
0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)
13 mm nominal width



Marking: (Color: Green)

Manufacturer's Mark
R23 — Part Identification
□□□□ — Lot Identification

TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.9	23.1	4.9	5.3	---	0.8	4.1	5.8	4.1	5.8	3.9	4.1
in*:	(0.82)	(0.91)	(0.19)	(0.21)	--	(0.03)	(0.16)	(0.23)	(0.16)	(0.23)	(0.15)	(0.16)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION	
AMPS 25°C	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		AMPS AT --°C		SECONDS AT 25°C, 10.0A		OHMS AT 25°C		OHMS AT 25°C		WATTS AT 25°C, 12V	
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	TYP	MAX	TYP	MAX
2.3	3.4	6.6	2.3	5.0	0.9	2.3	---	---	2.4	5	0.012	0.018	0.031	0.036	1.4	2.5

Agency Recognitions: UL, TUV, CSA
Reference Documents: PS300
Precedence: This specification takes precedence over documents referenced herein.
Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.
CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information:

ROHS Compliant
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free
Pb

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