

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

XX R23 — Part Identification

□□□□ — Lot Identification

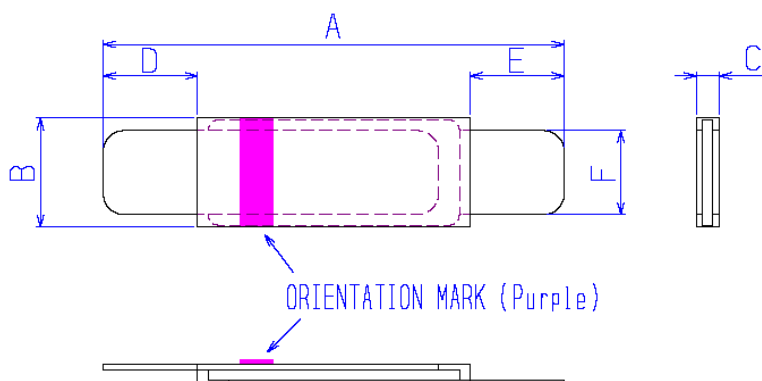


TABLE I. DIMENSIONS:

	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.

TABLE 1. PERFORMANCE RATINGS AS MEASURED IN MODEL RATING CHAMBERS FOR:																		
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	TRIP	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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: VLR230F

DOCUMENT: SCD25580
PCN: D03587
REV LETTER: D
REV DATE: July 26, 2016
PAGE NO.: 2 OF 2

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