

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: nanoSMDC025F

DOCUMENT: SCD27896 REV LETTER: D REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

Specification Status: Released

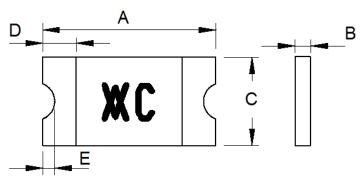
Maximum Electrical Rating Voltage: 16V_{DC} Short Circuit Current: 100A

Notes:

- 1. All terminations are tin plated.
- 2. Drawing not to scale

Marking:





MANUFACTURER'S MARK

TABLE I. DIMENSIONS:

	А		В		С		D		Е		
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
mm:	3.00	3.40	0.58	0.82	1.37	1.80	0.25	0.75	0.076		
in:	(0.118)	(0.134)	(0.023)	(0.032)	(0.054)	(0.071)	(0.010)	(0.030)	(0.003)		

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER	
								DISSIPATION**		
AMPE	AMPERES AM		RES AMPERES		RES	SECONDS	OHMS		WATTS AT	
AT 0°C		AT 25°C		AT 60°C		AT 25°C, 8.0A	AT 25°C		25°C, 16V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
0.30	0.74	0.25	0.58	0.19	0.38	0.1	0.40	2.10	0.6	

* Maximum resistance is measured 1 hour after reflow

** Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

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Materials Information

ROHS Compliant









* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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