

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMD110F

DOCUMENT: SCD25059 REV LETTER: I REV DATE: MAY 13, 2011 PAGE NO.: 1 OF 1

в

Specification Status: Released

A

С

Marking

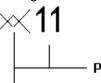
Maximum Electrical Rating Voltage: 6V_{DC} Short Circuit Current: 40A

Notes:

1. All terminations are tin plated.

2. Drawing not to scale





PART IDENTIFICATION

MANUFACTURER'S MARK

TABLE I. DIMENSIONS:

	А		В		С		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.28	0.48	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.011)	(0.019)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

	CUI	RRENT F	RATING	GS**		TIME TO	RESISTANCE		TRIPPED-STATE	
						TRIP**	VALUES		POWER	
									DISSIPATION**	
AMPERES AMPERES AMPERES				SECONDS	OHMS		WATTS AT			
AT 0°C		AT 20°C 🛛 A		AT	60°C	AT 20°C, 8A	AT 20	°C	20°C, 6V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
1.26	2.52	1.10	2.20	0.80	1.60	0.2	0.07	0.21	0.8	

*Maximum resistance is measured 1 hour after reflow.

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

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

Materials Information

ROHS Compliant	ELV Compliant	Pb-Free	Halogen Free*		
Directive 2002/95/EC Directive 2000/53/EC Compliant Compliant		\mathbb{N}	HF		

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

© 2006, 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved.