

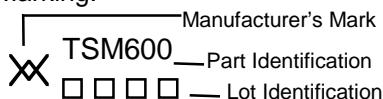
Specification Status: RELEASED
Max Electrical Rating at 20°C
Operating Voltage: 250V_{DC}
Interrupt Current: 3A_{RMS}
Fault Voltage: 600V_{RMS}

Lead Material: Tin plated brass

 Configuration: Two PPTC devices per
 TSM600 part

 Case Material: Nylon Resin (UL94 V-0)
 1000V dielectric rating

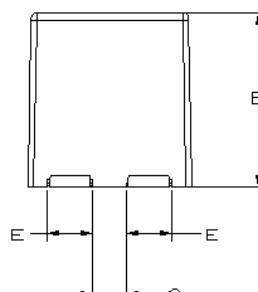
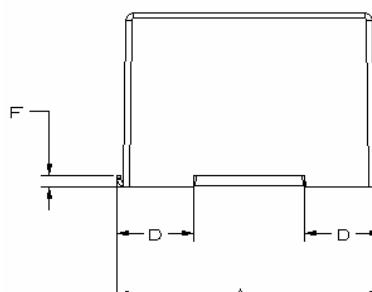
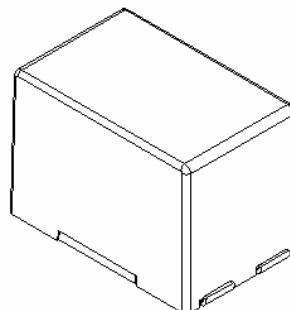
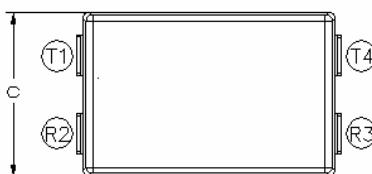
Marking:



Terminal Description:

T1 = Tip In T4 = Tip Out

R2 = Ring In R3 = Ring Out


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX												
mm:	17.0	17.6	11.2	11.7	10.4	11.2	4.8	5.2	2.5	2.8	0.6	1.0	2.2	3.1
in:	(0.671)	(0.691)	(0.440)	(0.460)	(0.410)	(0.440)	(0.187)	(0.203)	(0.099)	(0.111)	(0.022)	(0.038)	(0.087)	(0.122)

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

IHOLD (A)		RESISTANCE (Ω)** @ 20°C			TIME TO TRIP @ 3 A (Seconds)		OPERATING TEMPERATURE (°C)		Tripped State Power Dissipation @ 250V (Watts) TYPICAL	
20°C	60°C	R MIN	R TYP	R ₁ MAX*	TYP	MAX	MIN	MAX		
0.250	0.140	1.0	3.0	5.0	1	6	-40	85	2	

* Maximum device resistance, measured 1-hour post reflow or post trip.

** Resistance per PPTC device.

Additional Ratings @ 20°C

Resistance Matched:	0.5 Ohm measured 24 hours after reflow installation	Storage Temperature:	-40° to 85° C
Line Balance:	0.5 Ohm, 59 dB @ 4 kHz minimum***	Storage Humidity:	Per IPC/JEDEC J-STD-020A Level 2a
	***Tested in accordance with IEEE 455 with a device having a series longitudinal balance value of at least 60dB.		
Agency Recognitions:	UL, 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.		

MATERIALS INFORMATION
ROHS Compliant

 Directive 2002/95/EC
 Compliant

ELV Compliant

 Directive 2000/53/EC
 Compliant

Pb-Free




Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TSM600-250F-RA

DOCUMENT: SCD26007

REV LETTER: E

REV DATE: JULY 26, 2016

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