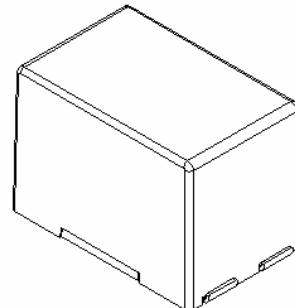
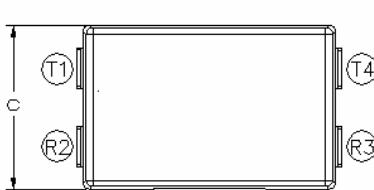


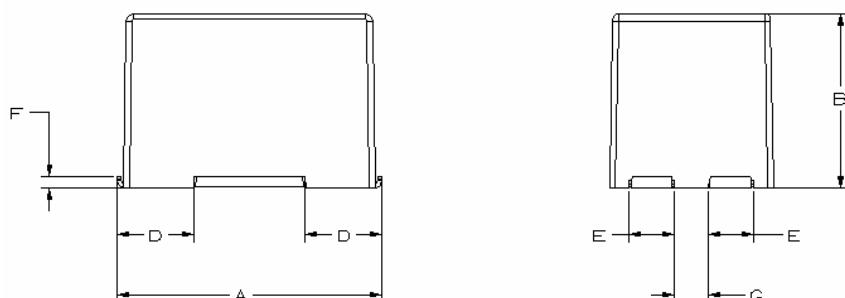
Specification Status: RELEASED
Max Electrical Rating at 20°C
Operating Voltage: 250V_{DC}
Interrupt Current: 3A_{RMS}
Fault Voltage: 600V_{RMS}

Lead Material: Tin plated brass

 Configuration: Two PPTC devices per
 TSM600 part

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

Marking:

 **TSM600** — Part Identification
 **□ □ □ □** — Lot Identification


Terminal Description:

T1 = Tip In T4 = Tip Out

R2 = Ring In R3 = Ring Out

TABLE I. DIMENSIONS:

mm: in:	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
17.0 (0.671)	17.6 (0.691)	11.2 (0.440)	11.7 (0.460)	10.4 (0.410)	11.2 (0.440)	4.8 (0.187)	5.2 (0.203)	2.5 (0.099)	2.8 (0.111)	0.6 (0.022)	1.0 (0.038)	2.2 (0.087)	3.1 (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	3.5	7.0	0.8	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

DOCUMENT: SCD26006

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 2 OF 2

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