

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: VTP170

DOCUMENT: SCD 23889
 PCN: F11803
 REV LETTER: G
 REV DATE: JUNE 7, 2005
 PAGE NO.: 1 OF 1

Specification Status: Preliminary

Electrical Rating

Voltage: 16V MAX
Current: 100A MAX

Leads:

Nickel: 0.13mm nom

Insulation:

Polyester Tape

Marking:

— Manufacturer's Mark
 X V17 — Part Identification
 □ □ □ □ — Lot Identification

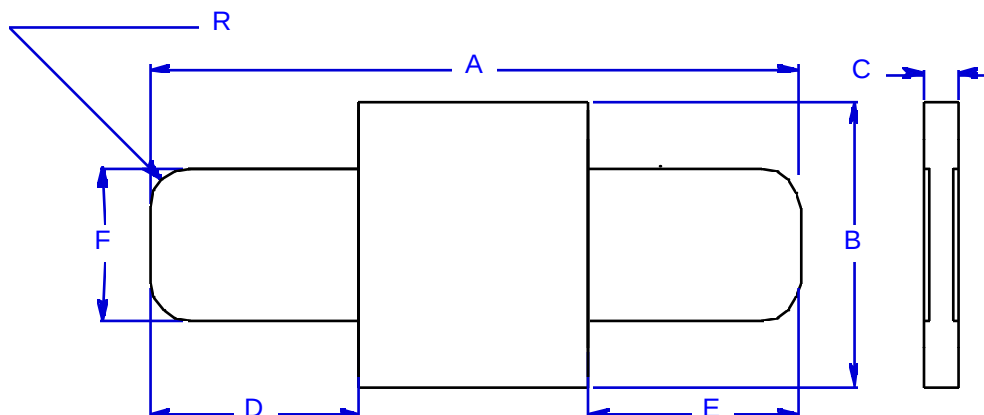


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	Min	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	15.4	17.5	7.0	7.4	0.5	0.8	4.0	6.2	4.0	6.2	3.9	4.1	--	--
in*:	(0.606)	(0.689)	(0.275)	(0.292)	(0.02)	(0.03)	(0.157)	(0.244)	(0.157)	(0.244)	(0.15)	(0.16)	--	--

	R	
	TYP	MAX
mm:	1.0	--
in*:	(0.039)	--

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT TRIP LIMITS								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED-STATE POWER DISSIPATION	
	AMPS AT 0°C		AMPS AT 25°C		AMPS AT 60°C		AMPS AT 80°C									
AMPS 25°C HOLD	AMPS HOLD	AMPS TRIP	AMPS HOLD	AMPS TRIP	AMPS HOLD	AMPS TRIP	AMPS HOLD	AMPS TRIP	SECONDS AT 25°C, 8.5 A TYP	SECONDS AT 25°C, 8.5 A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C TYP	OHMS AT 25°C MAX	WATTS AT 25°C, 16V TYP	WATTS AT 25°C, 16V MAX
1.7	2.2	4.5	1.7	3.4	0.8	1.8	0.3	0.9	1.0	5.0	0.030	0.052	0.075	0.105	1.0	1.4

Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.