

Specification Status: Released

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}

Fault Voltage: 250V_{RMS}

Interrupt Current: 3A_{RMS}

Lead Material: Tin plated brass

Marking:

XX ——— Manufacturer's Mark

T13V ——— Part Identification

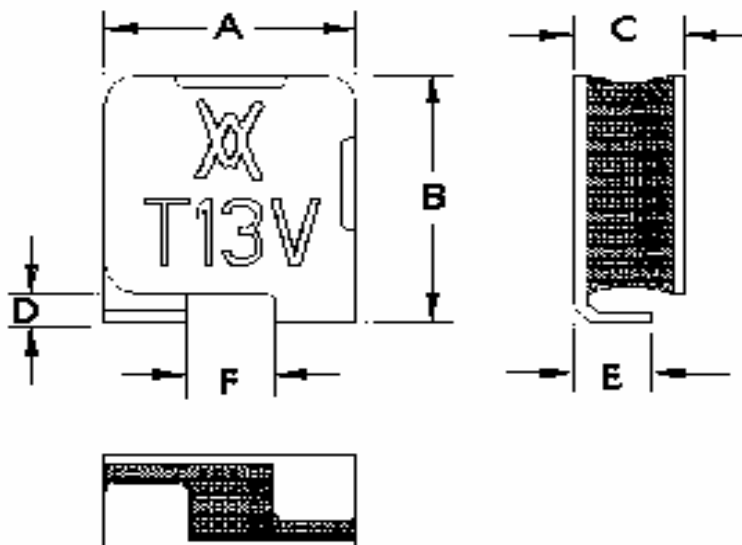


TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
mm:	--	6.1	-	6.9	--	3.2	0.56	--	--	1.9	1.6	2.3
in:	--	(0.240)	--	(0.270)	--	(0.126)	(0.022)	--	--	(0.075)	(0.065)	(0.091)

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

IHOLD (A)	RESISTANCE (Ω)			TIME TO TRIP(s)	OPERATING		TRIPPED STATE
	@ 20°C				TEMPERATURE (°C)		
20°C	R MIN	R MAX	R ₁ MAX*	@ 1A TYP	MIN	MAX	POWER DISSIPATION (W) TYP
0.130	4.0	7.0	12.0	2.0	-40	85	1.5

*Maximum device resistance at 20°C measured 1 hour post trip or 24 hours post reflow.

Additional Ratings @ 20°C

Resistance Matched: 0.5 Ohm

Lightning Withstand: ITU at 1.5kV

Storage Temperature: -40° to 85° C

Agency Recognition: UL, CSA, TUV

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.

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

Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TSV250-130F-B-0.5

DOCUMENT: SCD26244
REV LETTER: C
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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