

**Specification Status: Released**

**Max Electrical Rating at 20°C**

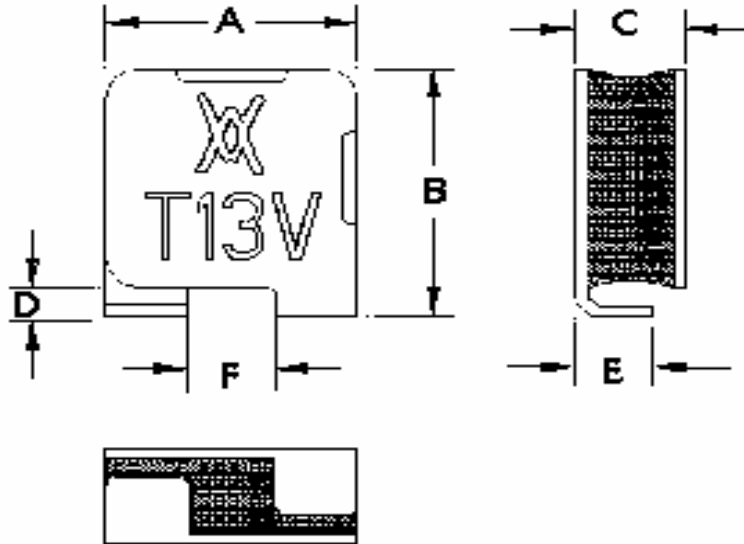
**Operating Voltage: 60V<sub>DC</sub>**  
**Fault Voltage: 250V<sub>RMS</sub>**  
**Interrupt Current: 3A<sub>RMS</sub>**

**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):**

I HOLD (A)	RESISTANCE (Ω) @ 20°C			TIME TO TRIP(s) @ 1A TYP	OPERATING TEMPERATURE (°C)		TRIPPED STATE POWER DISSIPATION (W) TYP
	R MIN	R MAX	R <sub>1 MAX</sub> *		MIN	MAX	
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**

**ELV Compliant**

**Pb-Free**

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



**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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