



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Specification Status: Released**

**Max Electrical Rating at 20°C**

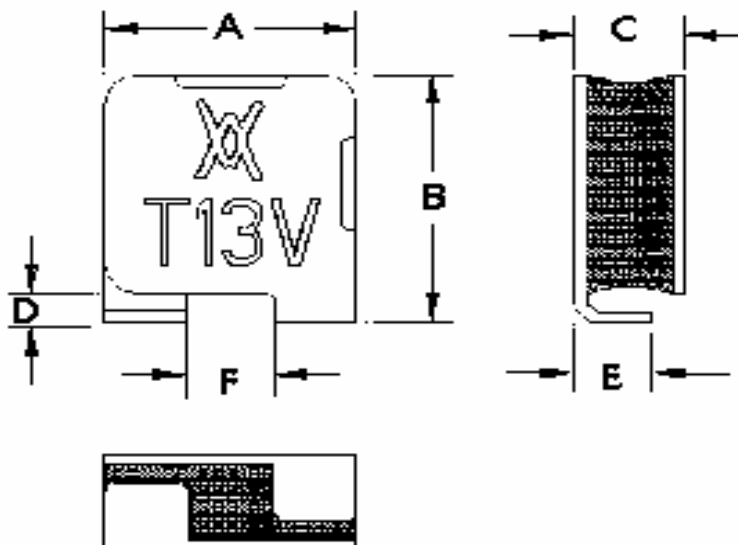
**Operating Voltage: 60V<sub>DC</sub>**  
**Fault Voltage: 250V<sub>RMS</sub>**  
**Interrupt Current: 3A<sub>RMS</sub>**

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

**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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