

**Specification Status: Released**

**Operating Conditions at 20°C:**

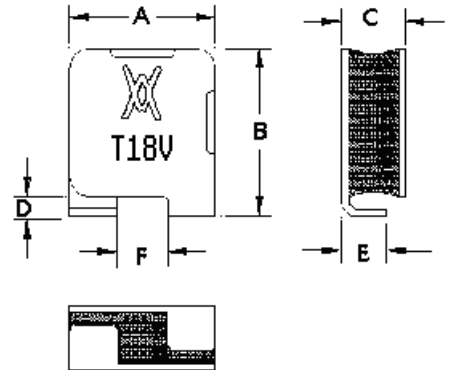
Maximum Continuous Operating Voltage (V<sub>MCO</sub>): 100V<sub>DC</sub>  
Maximum Interrupt Current (I<sub>INT</sub>): 10A<sub>RMS</sub>

**Fault Ratings at 20°C:**

250 V<sub>RMS</sub>, 3A, 10 applications

**Additional Info at 20°C:**

- Resistance matched: N/A
- Lightning withstand: 1.5kV per ITU-T K.20, K.21 (3.0K V<sub>MAX</sub> w/o primary protection)
- Helps equipment meet ITU-T K.20, K.21 Recommendations
- Helps equipment meet Telcordia GR1089 intrabuilding requirements



**Terminal Material:** Tin-Plated Brass

**Marking:**

⌘ ——— Manufacturer's Mark

T18V ——— 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)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS @ 20°C:**

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 3A		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 100 V <sub>DC</sub>	
		R MIN	R MAX	R <sub>1</sub> MAX*	TYP	MAX	MIN	MAX	TYP	MAX
0.184	0.69	1.2	3.0	4.0	0.5	1.3	-30	85	0.9	1.3

\*Maximum device resistance at 20°C measured 1-hour post trip and 24 hours post reflow

**TABLE III. APPLICABLE PART DESCRIPTIONS :**

PART DESCRIPTION	PACKAGING TYPE	NOTE
TSV250-184F	Bulk	N/A

Agency Recognitions: UL (File #E74889)  
 Reference Documents : PS300, ITU-T K.20, K.21  
 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



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