

### Specification Status: Released

**Electrical Rating**  
**Voltage: 16VDC MAX**  
**Current: 100A MAX**

Insulating Material:  
 Cured, Flame Retardant Epoxy Polymer  
 Meets UL94 V-0 Requirements

Lead Material:  
 18 AWG Tin Plated Copper  
 (1.0mm [0.040in.] nom. diameter)

Marking:  
 ———— Manufacturer's Mark  
 XX L13 and Part Identification  
 □□□□ ———— Lot Identification



**TABLE I. DIMENSIONS:**

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	--	17.4	--	24.8	9.4	10.9	7.6	--	--	3.6	1.4
in*:	--	(0.69)	--	(0.98)	(0.37)	(0.43)	(0.30)	--	--	(0.14)	(0.06)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS		TIME TO TRIP	INITIAL RESISTANCE VALUES		R <sub>1</sub> MAX	TRIPPED-STATE POWER DISSIPATION
AMPS AT 25°C HOLD	AMPS AT 25°C TRIP	SECONDS AT 25°C, 65.0A MAX	OHMS AT 25°C MIN	OHMS AT 25°C MAX	OHMS AT 25°C	WATTS AT 25°C 16V TYP
13.0	26.0	14.0	0.0033	0.0053	0.0070	6.4

Agency Recognitions: UL  
 Reference Documents: PS300, PS400 (reference for R<sub>1</sub> MAX)  
 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**

**Halogen Free<sup>+</sup>**



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm

**TABLE III. AUTOMOTIVE SPECIFIC STRESS TESTS AND TEST CONDITIONS:**

<b>ELECTRICAL STRESS TESTS</b>	<b>TEST CONDITIONS (see note 2)</b>
ESD Voltage Withstand (see note 1)	25kV
Short Circuit Fault Current Durability	25 cycles, 16V, 200A
Fault Current Durability	350 cycles, 16V/100A
End-of-life Mode Verification	1750 cycles, 16V/100A
Jump Start Endurance (see note 1)	3 cycles, 26V, 1 minute duration
Load Dump Endurance (see note 1)	10 cycles, 86.5V

Note 1: The PolySwitch devices are tested in series with a load resistance and the voltages specified in the test conditions are shared between the PolySwitch device and the load resistance as specified in PS400.

Note 2: Please refer to Appendix A of PS400 for the detailed test procedures

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