

**CLASS 301T**  
 OPTO-ISOLATORS  
 0.2W OUTPUT  
 1 POLE  
 AC & DC INPUTS & OUTPUTS

OPTICAL COUPLING PROVIDES HIGH  
 INPUT-OUTPUT ISOLATION  
 CAN BE USED AS ON/OFF SWITCH  
 OR AS LOW VOLTAGE CONTROLLED RESISTOR  
 IDEAL FOR TRIGGERING SCR'S AND TRIACS

UL RECOGNIZED  
 FILE NO. 104675

**SPECIFICATIONS CLASS 301T**

**CONTACTS**

**Contact Resistance:** On: See table in Ordering Information.  
 Off: 10 megohms, min.  
**Output Voltage Max.:** ± 250VDC or VAC peak,

**INSULATION CHARACTERISTICS**

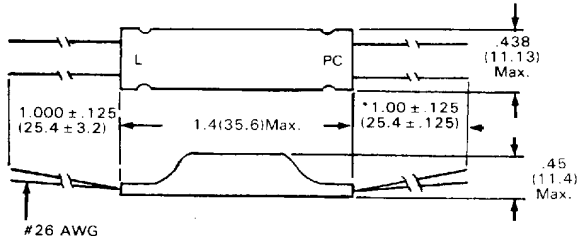
**Dielectric Strength**  
**Across Open Contacts:** } 1,000VRMS between all insulated points  
**Insulation Resistance:** } 10<sup>9</sup> ohms

**ENVIRONMENTAL CAPABILITIES**

**Ambient Temperature**  
 Operating: -40°C to +60°C.

**MISCELLANEOUS**

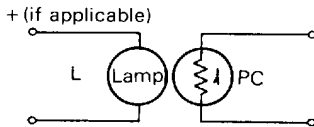
**Weight:** 301T1: 0.04 oz. (1.1g)



\* Not recommended for wave or dip soldering.  
 Also, may be affected by cleaning solvents.

**Schematics**

**SHRINK TUBE CASE**



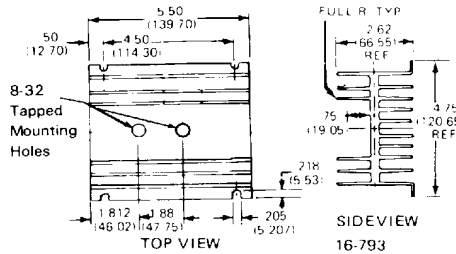
STOCK NUMBER	INPUT			OUTPUT		RESPONSE TIME	
	LAMP TYPE	VOLTAGE (volts)	CURRENT (mA)	ON RESISTANCE (ohms, max.)	POWER DISSIPATION Per Pole (mW)	TURN-ON TO 10K (mS, max.)	TURN-OFF TO 100K (mS, max.)

SHRINK TUBE CASE - Single Pole

<b>W301T1-2A1</b>	LED	1.7DC	40	2000	200	10	50
<b>W301T1-2B1</b>	LED	2.0DC	25	1000	200	5	100
<b>W301T1-12B1</b>	Incand.	12DCorAC	24	400	200	150	300
<b>W301T1-120A1</b>	Neon	120DCorAC*	1.3	1200	200	35	100

\* Add 47K ohm external series resistor to limit current.

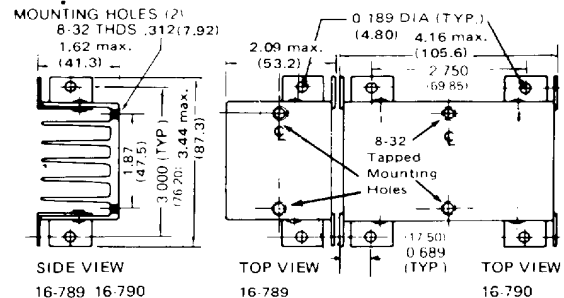
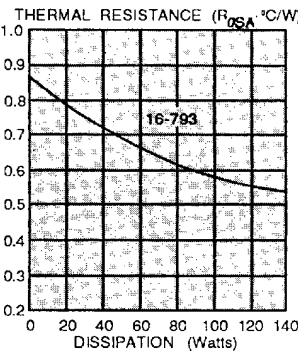
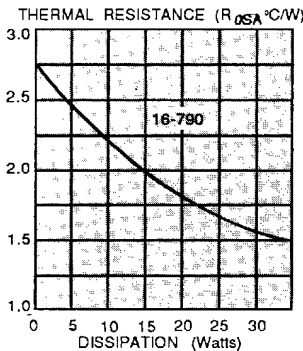
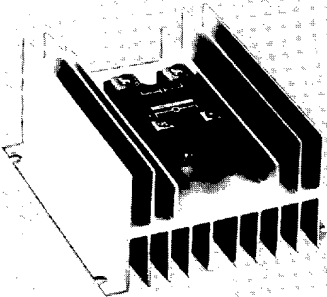
**HEAT SINK FOR CLASS 6 SOLID STATE RELAYS**



**HEAT SINK USAGE**

Stock Number (1)	Load Current (2)	Thermal Resistance
16-790	5 to 20 amps	3°C/w
16-793	Above 20 amps	1°C/w

47K ohms external series resistor required for 120 volt input.



Weight for 16-793: 550.9 grams

- (1) Heat sinks are an aluminum alloy.
- (2) Current ratings are based on the use of a suitable thermally conductive compound (e.g. silicon grease) between the SSR mtg base and mtg surface of heat sink.