

T-41-81

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

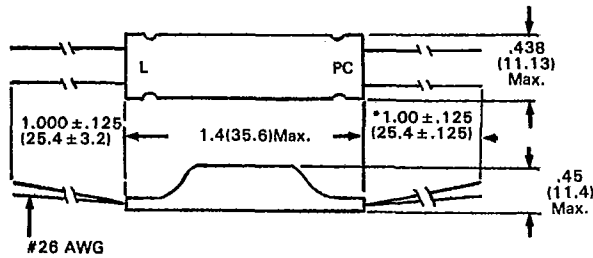
Dielectric Strength } 1,000VRMS between all insulated points
Across Open Contacts: }
Insulation Resistance: 10⁹ ohms

ENVIRONMENTAL CAPABILITIES

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

MISCELLANEOUS

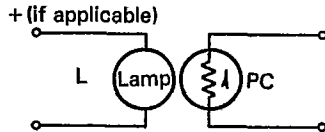
Weight: 301T1: 0.04 oz. (1.1g)



*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

W301T1-2A1	LED	1.7DC	40	2000	200	10	50
W301T1-2A2	LED	1.7DC	40	800	200	5	150
W301T1-2B1	LED	2.0DC	25	1000	200	5	100
W301T1-12B1	Incand.	12DCorAC	24	400	200	150	300
W301T1-120A1	Neon	120DCorAC*	1.3	1200	200	35	100

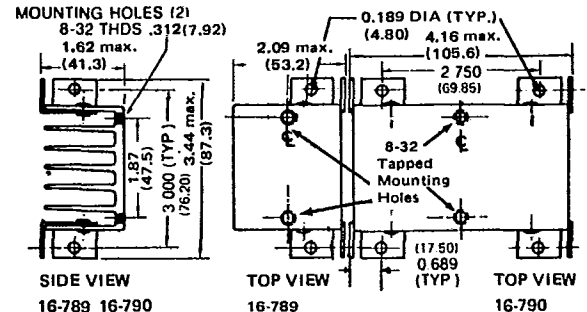
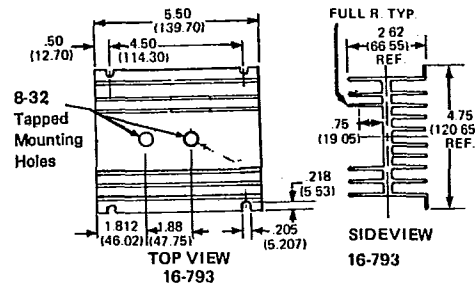
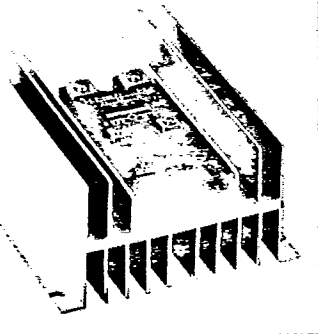
* Add 47K ohm external series resistor to limit current.

HEAT SINK FOR CLASS 6 SOLID STATE RELAYS

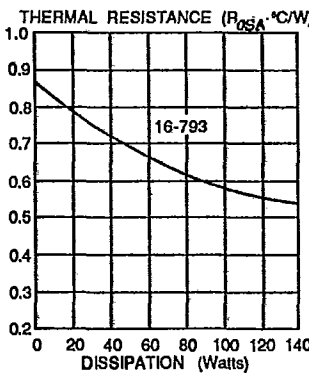
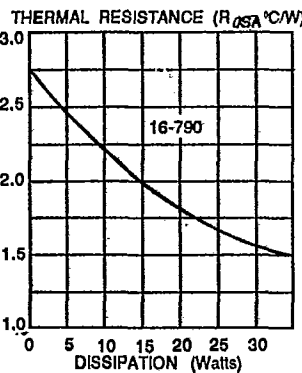
HEAT SINK USAGE

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.