

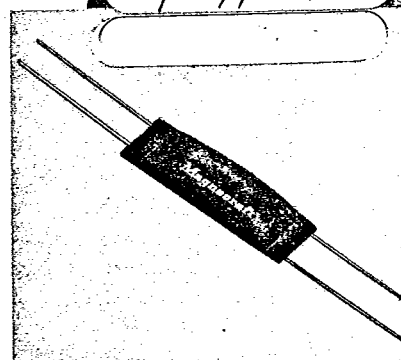
T-41-81

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

CLASS 301T
OPTO-ISOLATORS
UP TO 0.4W OUTPUT
1 POLE
AC&DC INPUTS&OUTPUTS



UL RECOGNIZED
FILE NO. 104675



SPECIFICATION CLASS 301T

CONTACTS

Contact Resistance:

On: See table in Ordering Information.

Output Voltage Max.:

Off: 10 megohms, min.
±250VDC or VAC peak,
except
301T1-2A2: ±100VDC or VAC peak

INSULATION CHARACTERISTICS

Dielectric Strength

Across Open Contacts:

Insulation Resistance:

1,000VRMS between all insulated points
10⁹ ohms

ENVIRONMENTAL CAPABILITIES

Ambient Temperature

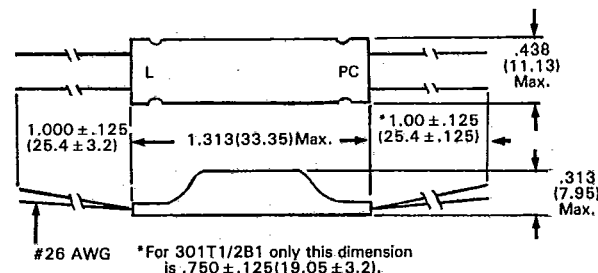
Operating:

-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

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.)

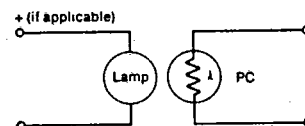
SHRINK TUBE CASE—Single Pole

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	400	5	100
W301T1-6B1	Incand.	6DC or AC	50	400	400	150	250
W301T1-12B1	Incand.	12DC or AC	24	400	400	150	300
W301T1-120A1	Neon	120DC or AC ¹	1.3	1200	400	35	100

¹-Add 4/K ohms external series resistor to limit current.

Schematics

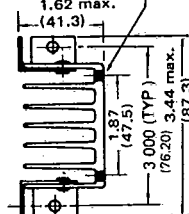
SHRINK TUBE CASE



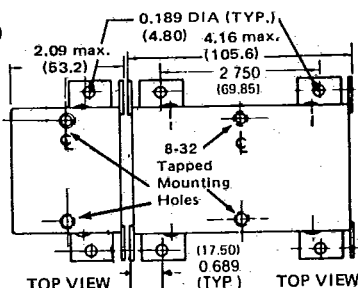
HEAT SINK USAGE

Catalog Number (1)	Load Current (2)
16-789	Below 10 amps
16-790	5 To 20 amps
16-793	Above 20 amps

MOUNTING HOLES (2)
8-32 THDS .312 (7.92)
1.62 max.
(41.3)



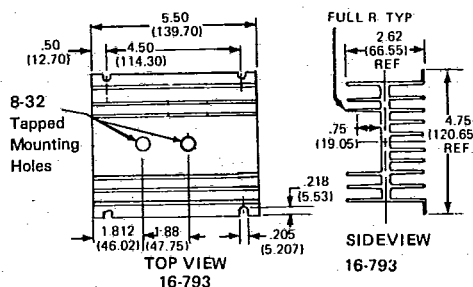
SIDE VIEW
16-789 16-790



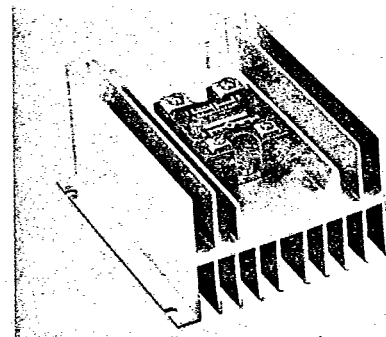
TOP VIEW
16-789

TOP VIEW
16-790

Weight for 16-793: 550.9 grams

HEAT SINK FOR CLASS 6
SOLID STATE RELAYS

SIDE VIEW
16-793



- (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.

Magnecraft
ELECTRIC COMPANY