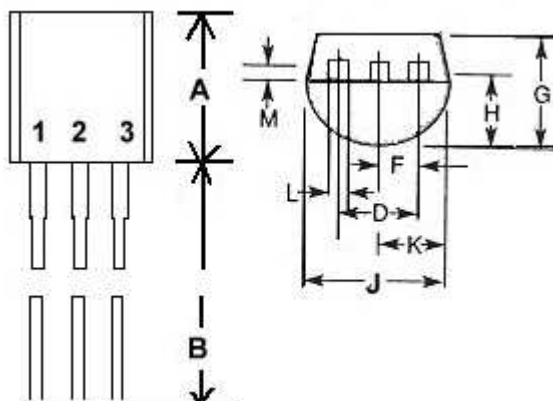


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TO-92 TRIAC



SYM	INCHES	
A	0.170	0.210
B	0.500	0.600
D	0.095	0.105
F	0.045	0.055
G	0.125	0.165
H	0.080	0.105
J	0.175	0.205
K	0.075	0.085
L	0.015	0.018
M	0.015	0.018
K	0.085	0.095

1. MT 1
2. GATE
3. MT 2

MAXIMUM RATINGS	SYMBOL	DEVICE NUMBERS				UNITS
REPETITIVE PEAK OFF-STATE VOLTAGE (1)GATE OPEN, AND T _J =110°C /VDRM	200 400 600	TBS TDS TMS	TBD TDD TMD	TBG TDG TMG	TBH TDH TMH	VOLT
RMS ON-STATE CURRENT AT TC = 50° C AND CONDUCTION, ANGLE OF 360°	IT(RMS)	1.0	1.0	1.0	1.0	AMP
PEAK SURGE (NON-REPETITIVE) ON-STATE CURRENT, ONE-CYCLE, AT 50HZ OR 60HZ	ITSM	20	20	20	20	AMP
PEAK GATE - TRIGGER CURRENT FOR 3μSEC. MAX.	IGTM	1	1	1	1	AMP
PEAK GATE-POWER DISSIPATION AT IGT ≤ IGTM	PGM	10	10	10	10	WATT
AVERAGE GATE - POWER DISSIPATION	PG(AV)	0.2	0.2	0.2	0.2	WATT
STORAGE TEMPERATURE RANGE	TSTG	-40 TO +150				°C
OPERATING TEMPERATURE RANGE, T _J	TOPER	-40 TO +110				°C
PEAK OFF - STATE CURRENT (1) GATE OPEN TC = 110° C VDRM = MAX. RATING	IDRM	0.1	0.1	0.1	0.1	MA MAX.
MAXIMUM ON - STATE VOLTAGE, (1) AT TC = 25° C AND IT = RATED AMPS	VTM	1.6	1.6	1.6	1.6	VOLT MAX.
DC HOLDING CURRENT, (1) GATE OPEN AND TC = 25° C	IHO	5	10	15	25	MA MAX.
CRITICAL RATE-OF-RISE OF OFF-STATE VOLTAGE, (1) FOR V _D = VDRM GATE OPEN, TC = 110° C	CRITICAL dv/dt	10	10	20	25	V/μSEC.
CRITICAL RATE-OF-RISE OF COMMUTATING VOLTAGE, (1) AT TC = 80° C, GATE UNENERGIZED, V _D = VDRM, IT = IT (RMS)	COMMUTATING dv/dt	1	1	1	1	V/μSEC.
DC GATE - TRIGGER CURRENT FOR V _D =12VDC. RL=60 OHM AND AT TC=25°C (T ₂ + GATE - T ₂ - GATE-) Q 1 & 3 (T ₂ + GATE - T ₂ - GATE +) Q 2 & 4	IGT	3	5	10	25	MA MAX.
DC GATE - TRIGGER VOLTAGE FOR V _D =12VDC. RL=60 OHM AND AT TC=25°C	VGT	2.0	2.0	2.0	2.0	VOLT MAX.
GATE CONTROLLED TURN-ON TIME FOR V _D = VDRM IGT = 80MA TR = 0.1 μSEC. IT=10A (PEAK) AND TC = 25° C	TGT	3	3	3	3	μSEC.
THERMAL RESISTANCE, JUNCTION-TO-CASE	RθJ-C	45	45	45	45	°C / WATT TYP
THERMAL RESISTANCE, JUNCTION-TO-AMBIENT	RθJ-C	100	100	100	100	°C / WATT TYP

Notes: (1) All Values Apply in either direction.