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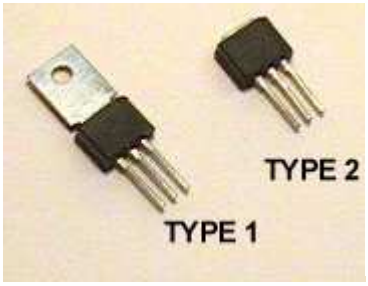
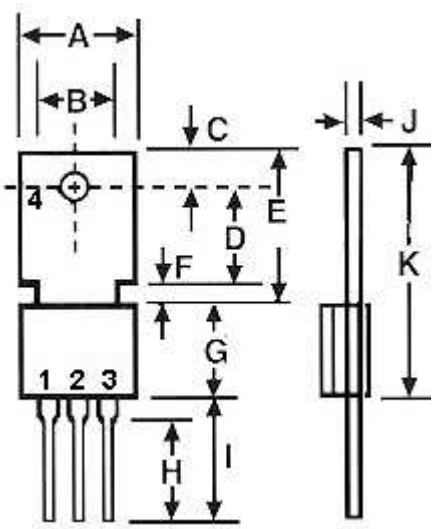
TO-202 SENSITIVE GATE TRIAC





SYM.	INCHES	
A	0.360	0.400
B	0.240	0.260
C	0.115	0.135
D	0.310	0.320
E	0.480	0.520
F	0.055	0.065
G	0.285	0.315
H	0.333	0.343
I	0.400	0.420
J	0.019	0.026
K	0.760	0.835

1. MT 1
2. MT 2
3. GATE
4. Tab Common to MT 2

MAXIMUM RATINGS	SYMBOL	DEVICE NUMBERS				UNITS
REPETITIVE PEAK OFF-STATE VOLTAGE (1) GATE OPEN, AND TJ = 110° C /VRM	200 400 600	T106B*SS T106D*SS T106M*SS	T106B*SD T106D*SD T106M*SD	T106B*SG T106D*SG T106M*SG	T106B*SH T106D*SH T106M*SH	VOLT
RMS ON-STATE CURRENT AT TC = 80° C AND CONDUCTION, ANGLE OF 360°	IT(RMS)	4.0	4.0	4.0	4.0	AMP
PEAK SURGE (NON-REPETITIVE) ON-STATE CURRENT, ONE-CYCLE, AT 50HZ OR 60HZ	ITSM	40	40	40	40	AMP
PEAK GATE - TRIGGER CURRENT FOR 3µSEC. MAX.	IGTM	1.2	1.2	1.2	1.2	AMP
PEAK GATE-POWER DISSIPATION AT IGT ≤ IGTM	PGM	15	15	15	15	WATT
AVERAGE GATE - POWER DISSIPATION	PG(AV)	0.3	0.3	0.3	0.3	WATT
STORAGE TEMPERATURE RANGE	Tstg	-40 to +150				°C
OPERATING TEMPERATURE RANGE, Tj	Toper	-40 to +110				°C
PEAK OFF - STATE CURRENT (1) GATE OPEN TC=110°C VDRM=MAX. RATING	IDRM	0.5	0.5	0.5	0.5	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 VD = VDRM GATE OPEN, TC = 110° C	CRITICAL dv/dt	10	10	15	25	V/µSEC.
CRITICAL RATE-OF-RISE OF COMMUTATION VOLTAGE, (1) AT TC=80°C, GATE UNENERGIZED, VD=VDRM, IT=IT (RMS)	COMMUTATING dv/dt	1	1	1	1	V/µSEC.
DC GATE - TRIGGER CURRENT FOR VD=12VDC. RL=60 OHM AND AT TC=25°C (T2 + GATE + T2 - GATE-) Q 1 & 3 (T2 + GATE - T2 - GATE +) Q 2 & 4	IGT	3	5	10	25	MA MAX.
DC GATE - TRIGGER VOLTAGE FOR VD=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 VD=VDRM IGT=80MA TR=0.1µSEC. IT=6A (PEAK) AND TC=25° C	Tgt	3	3	3	3	µSEC.
THERMAL RESISTANCE, JUNCTION-TO-CASE	RθJ-C	4.0	4.0	4.0	4.0	°C / WATT TYP

NOTE:(1) ALL VALUES APPLY IN BOTH DIRETIONS. *INDICATE TYPE 1 OR TYPE 2.