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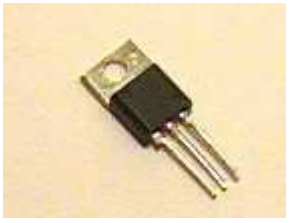
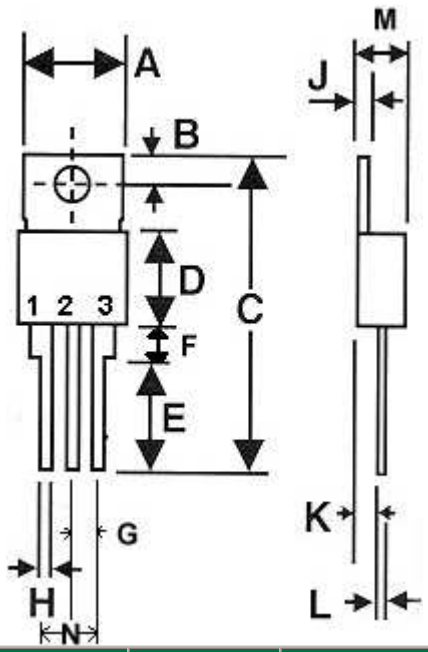
TO-220 ISOLATED* TRIAC





1. MT 1
2. MT 2
3. GATE

SYM.	INCHES	
A	0.410	0.430
B	0.097	0.103
C	1.160	1.175
D	0.340	0.350
E	0.375	0.475
F	0.085	0.200
G	0.090	0.160
H	0.030	0.035
J	0.045	0.055
K	0.070	0.080
L	0.019	0.025
M	0.175	0.195
N	0.190	0.210

MAXIMUM RATINGS	SYMBOL	DEVICE NUMBERS			UNITS
REPETITIVE PEAK OFF-STATE VOLTAGE (1)GATE OPEN, AND TJ = 110° C /VDRM	200 400 600	IT28 IT48 IT68	IT210 IT410 IT610	IT215 IT415 IT615	VOLT
RMS ON-STATE CURRENT AT TC = 80° C AND CONDUCTION, ANGLE OF 360°	IT(RMS)	8.0	10.0	15.0	AMP
PEAK SURGE (NON-REPETITIVE) ON-STATE CURRENT, ONE-CYCLE, AT 50HZ OR 60HZ	ITSM	80	100	150	AMP
PEAK GATE - TRIGGER CURRENT FOR 3µSEC. MAX.	IGTM	3	4	4	AMP
PEAK GATE-POWER DISSIPATION AT IGT≤IGTM	PGM	20	40	40	WATT
AVERAGE GATE - POWER DISSIPATION	PG(AV)	0.2	0.5	0.8	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	MA MAX.
MAXIMUM ON - STATE VOLTAGE, (1) AT TC = 25° C AND IT = RATED AMPS	VTM	2.2	2.2	2.2	VOLT MAX.
DC HOLDING CURRENT, (1) GATE OPEN AND TC = 25° C	IHO	50	50	50	MA MAX.
CRITICAL RATE-OF-RISE OF OFF-STATE VOLTAGE, (1) FOR VD =VDRM GATE OPEN, TC = 110° C	Critical dv/dt	150	150	150	V/µSEC.
CRITICAL RATE-OF-RISE OF COMMUTATING VOLTAGE, (1) AT TC = 80° C, GATE ENENERGIZED, VD=VDRM IT=IT (RMS)	COMMUTATING dv/dt	4	4	4	V / µSEC.
DC GATE - TRIGGER CURRENT FOR VD = 12VDC. RL = 60 ohm AND AT TC = 25° C (T2 + GATE + T2 - GATE-) QUADS I & III (T2 + GATE - T2 - GATE +) QUADS II & IV	IGT	50 I, III 80 II, IV	50 I, III 80 II, IV	50 I, III 80 II, IV	MA MAX.
DC GATE - TRIGGER VOLTAGE FOR VD = 12VDC. RL = 60 ohm AND AT TC = 25° C	VGT	2.5	2.5	2.5	VOLT MAX.
GATE CONTROLLED TURN-ON TIME FOR VD = VDRM IGT = 80MA TR = 0.1 µSEC. IT = 10A (PEAK) AND TC = 25° C	TGT	2.5	2.5	2.5	µSEC.
THERMAL RESISTANCE, JUNCTION-TO-CASE	RΘJ-C	2.5	2.5	2.5	°C / WATT TYP

NOTES: (1) ALL VALUES APPLY IN EITHER DIRECTION. *ALL HUTSON ISOLATED TO-220 TRIAC DEVICES ARE UL RECOGNIZED. UL NUMBER E95589 (N)