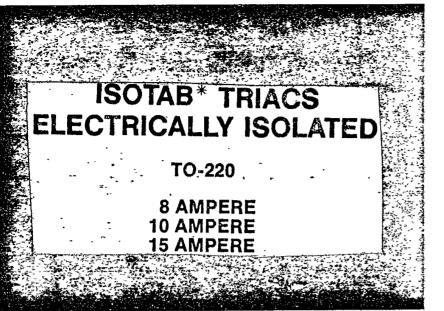
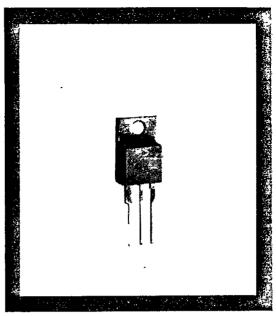
HUTSON INDUSTRIES







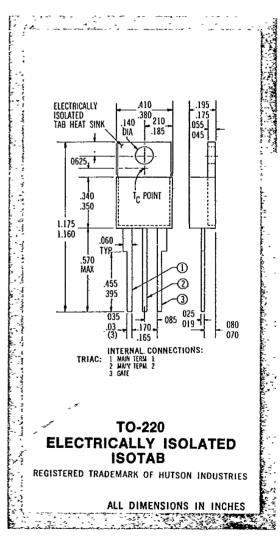


Hutson ISOTAB*-packaged triacs featuring an improved electrical isolation technique, will withstand a minimum of 1600 VAC from leads to tab for one minute at 80°C case temperature. Hermetically sealed within this package is a dense, void-free-glass passivated, hermetically-sealed chip. ISOTAB triacs have a low thermal impedance and are available in wide range of current and voltage ratings, from 8 to 15 Amperes and 50 to 600 Volts. The 15 Amp versions feature Beryllium Oxide isolation for further improved thermal characteristics.

These economical, highly reliable triacs are the result of Hutson's advanced engineering and manufacturing technology, and experience in switching-device applications.

These Hutson triacs are bi-directional triode thyristors and may be switched from off-state to conduction for either polarity of applied voltage with positive or negative gate triggering. They are designed for control of AC loads in applications such as lighting, heating, and motor speed controls, and static switching relays.

In addition to these plastic packaged triacs, Hutson offers other package configurations in current ratings to 60 Amperes and Voltage (V_{DRM}) ratings to 1000V. All Hutson triacs are available in chip form. For additional information, please consult Hutson Industries.



* Trademark of Hutson Industries.

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P. O. BOX 34235 • 2019 W. VALLEY VIEW LANE DALLAS, TEXAS 75234 (214) 241-3511 TWX 910-860-5537



015 115 215 315 415 515 615 15	VOLT AMP
150	
	AMP
4 .	
 	AMP
40	WATT
0.8	WATT
← -40 to +150	
← -40 to +100>	
2.0 MAX	mA
2.2 MAX	VOLTS
21	AMP
50 MAX	mA
5 TYP	V/μsec
50 MAX 80 MAX	mA mA
2.5 MAX	VOLTS
2.5 TYP	μsec
*1.5 TYP	°C/W
	0.8 2.0 MAX 2.2 MAX 21 50 MAX 5 TYP 50 MAX 80 MAX 2.5 MAX 2.5 TYP *1.5

ALL VALUES APPLY IN EITHER DIRECTION

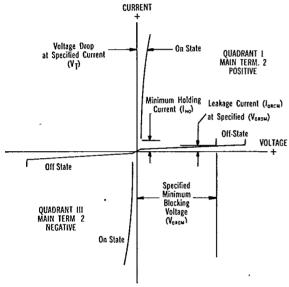
*BeO Substrate

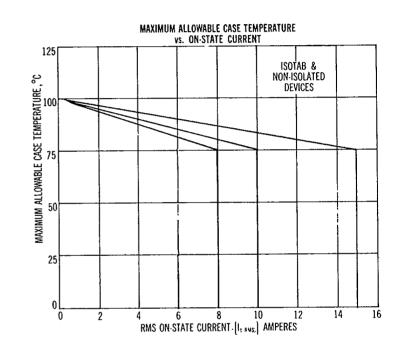
DEVICE NO. DESIGNATION

NOTE 1: I = ELECTRICALLY ISOLATED	EXAMPLE I T 4 8 A
T = TRIAC -	
0 to 6 = 50 to 600 V (VDROM) RATING 8, 10, 15 = 8A, 10A & 15A l _{1(RMS)}	
NOTE 2: Ist CHARACTERISTICS: NO SUFFIX = 50 mA, I & III QUADS; 80 mA, II & IV QUADS;	
A = 50 mA & III QUADS ONLY B = 100 mA & III QUADS ONLY HA = 25 mA & III QUADS ONLY	
HX = 25 mA & III QUADS 40 mA, QUADS II & IV	

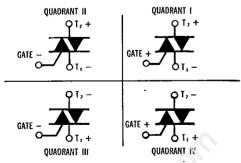
Example Device No. would be: an Electrically isolated Triac, 400 V (V_{DROM}), 8A I_{1(RMS)} with 50 mA (I_{GT}) Quads I & III

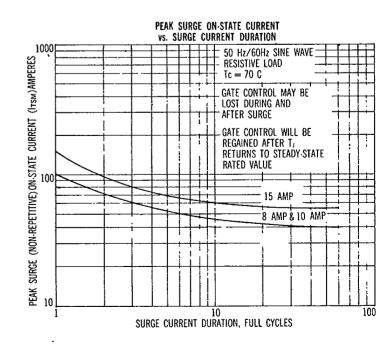
TYPICAL VOLTAGE-CURRENT CHARACTERISTICS





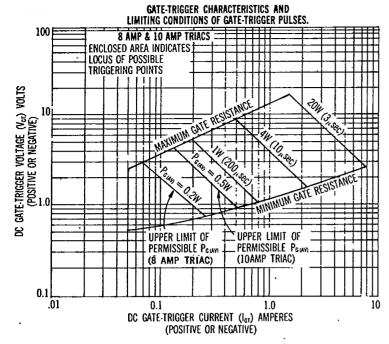
DEFINITION OF QUADRANTS

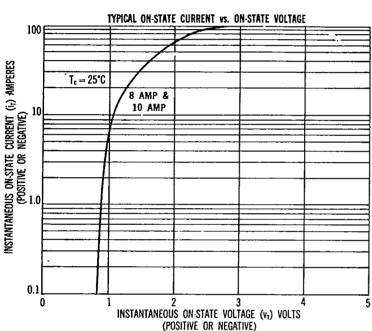


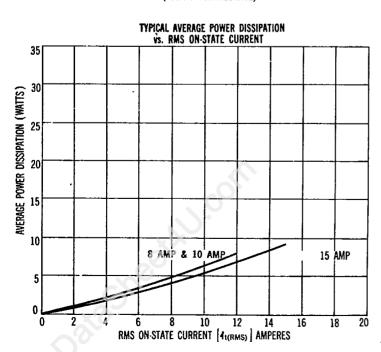


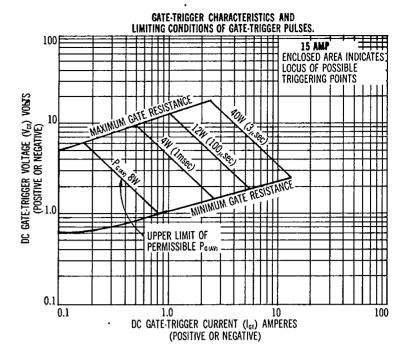


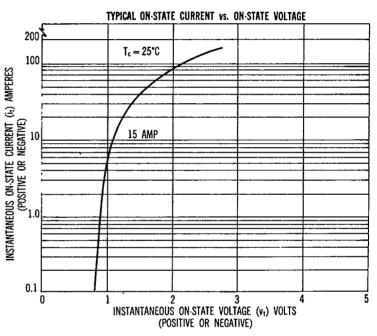
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