

# Thyristors - TRIAC's.

The plastic material carries U/L recognition 94 V-O.

TYPE	Max. Repetitive Peak Off - State Voltage, Gate Open T <sub>J</sub> =110 °C (Note 1)	Maximum RMS On - State Current @ Conduction Angle of 360° and T <sub>c</sub> =80 °C	Maximum Peak Surge ( Non - Repetitive ) On - State Current ( Note 2 )	Maximum DC Gate Trigger for V <sub>D</sub> =12VDC, R <sub>L</sub> =60 Ohms. and T <sub>c</sub> =25 °C				Maximum DC Holding Current, Gate Open ( Note 1 ) @ T <sub>c</sub> = 25 °C
	V <sub>DRM</sub>	I <sub>T(RMS)</sub>	I <sub>TSM</sub>	I <sub>GT</sub> (mA)				I <sub>HO</sub>
	(V)	(A)	(A)	I	II	III	IV	(mA)

**Sensitive Gate TRIAC. Case: TO-220 Electrically Isolated. Outline: 19**



TYPE	V <sub>DRM</sub> (V)	I <sub>T(RMS)</sub> (A)	I <sub>TSM</sub> (A)	I <sub>GT</sub> (mA)	V <sub>GT</sub> (V)	I <sub>HO</sub> (mA)
IT80B	50	8.0	80	5.0	2.2	25
IT80C	50	8.0	80	10	2.2	25
IT81B	100	8.0	80	5.0	2.2	25
IT81C	100	8.0	80	10	2.2	25
IT82B	200	8.0	80	5.0	2.2	25
IT82C	200	8.0	80	10	2.2	25
IT84B	400	8.0	80	5.0	2.2	25
IT84C	400	8.0	80	10	2.2	25
IT86B	600	8.0	80	5.0	2.2	25
IT86C	600	8.0	80	10	2.2	25

**TRIAC. Case: TO-220 Electrically isolated. Outline: 19**



TYPE	V <sub>DRM</sub> (V)	I <sub>T(RMS)</sub> (A)	I <sub>TSM</sub> (A)	I <sub>GT</sub> (mA)	V <sub>GT</sub> (V)	I <sub>HO</sub> (mA)			
IT80F	50	8.0	80	25	50	25	50	2.5	50
IT80G	50	8.0	80	50	80	50	80	2.5	50
IT81F	100	8.0	80	25	50	25	50	2.5	50
IT81G	100	8.0	80	50	80	50	80	2.5	50
IT82F	200	8.0	80	25	50	25	50	2.5	50
IT82G	200	8.0	80	50	80	50	80	2.5	50
IT84F	400	8.0	80	25	50	25	50	2.5	50
IT84G	400	8.0	80	50	80	50	80	2.5	50
IT86F	600	8.0	80	25	50	25	50	2.5	50
IT86G	600	8.0	80	50	80	50	80	2.5	50
IT100F	50	10	100	25	50	25	50	2.5	50
IT100G	50	10	100	50	80	50	80	2.5	50
IT101F	100	10	100	25	50	25	50	2.5	50
IT101G	100	10	100	50	80	50	80	2.5	50
IT102F	200	10	100	25	50	25	50	2.5	50
IT102G	200	10	100	50	80	50	80	2.5	50
IT104F	400	10	100	25	50	25	50	2.5	50
IT104G	400	10	100	50	80	50	80	2.5	50
IT106F	600	10	100	25	50	25	50	2.5	50
IT106G	600	10	100	50	80	50	80	2.5	50
IT120F	50	12	120	25	50	25	50	2.5	50
IT120G	50	12	120	50	80	50	80	2.5	50
IT121F	100	12	120	25	50	25	50	2.5	50
IT121G	100	12	120	50	80	50	80	2.5	50
IT122F	200	12	120	25	50	25	50	2.5	50
IT122G	200	12	120	50	80	50	80	2.5	50
IT124F	400	12	120	25	50	25	50	2.5	50
IT124G	400	12	120	50	80	50	80	2.5	50
IT126F	600	12	120	25	50	25	50	2.5	50
IT126G	600	12	120	50	80	50	80	2.5	50

Note :

- ( 1 ) All values apply in either direction.
- ( 2 ) Maximum Non - Repetitive Peak Surge Current. One Cycle at 50 Hz or 60 Hz.