

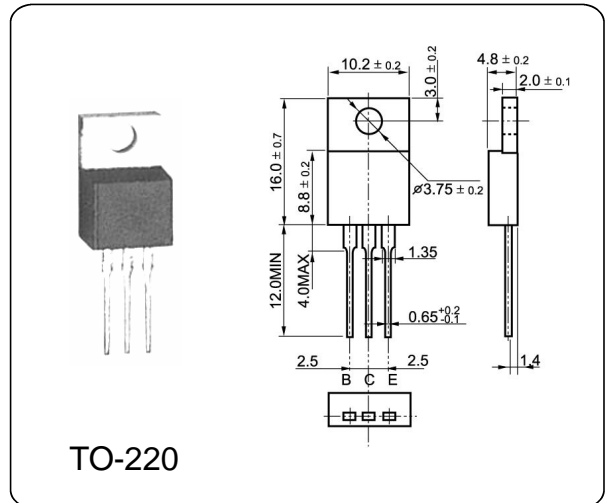


### GENERAL DESCRIPTION

Passivated, sensitive gate triacs in a plastic envelope, intended for use in general purpose bidirectional switching and phase control applications, where high sensitivity is required in all four quadrants.

### ABSOLUTE MAXIMUM RATINGS ( Ta = 25 °C)

Parameter	Symbol	Typ	Unit
Repetitive peak off-state voltages	$V_{DRM}$ $V_{RRM}$	600	V
RMS on-state current	$I_{T(RMS)}$	8.0	A
Non-repetitive peak on-state current	$I_{TSM}$	65	A
Max. Operating Junction Temperature	$T_j$	110	°C
Storage Temperature	$T_{stg}$	-45~150	°C



### ELECTRICAL CHARACTERISTICS ( Ta = 25 °C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Repetitive peak off-state voltages	$V_{DRM}$ $V_{RRM}$			600		V
RMS on-state current	$I_{T(RMS)}$	full sine wave; $T_{mb} = 107\text{ °C}$		8		A
On-state voltage	$V_T$	$I_T = 10\text{ A}$		1.3	1.65	V
Holding current	$I_H$	$V_D = 12\text{ V}; I_{GT} = 0.1\text{ A}$		5	20	mA
Gate trigger current	T2+G+	$V_D = 12\text{ V}; I_T = 0.1\text{ A}$		5	25	mA
	T2+G-			8	25	
	T2-G-			11	25	
	T2-G+			30	70	
Latching current	T2+G+	$V_D = 12\text{ V}; I_{GT} = 0.1\text{ A}$		7	30	mA
	T2+G-			16	45	
	T2-G-			5	30	
	T2-G+			7	45	
Gate trigger voltage	$V_{GT}$	$V_D = 12\text{ V}; I_T = 0.1\text{ A}$		0.7	1.5	V