

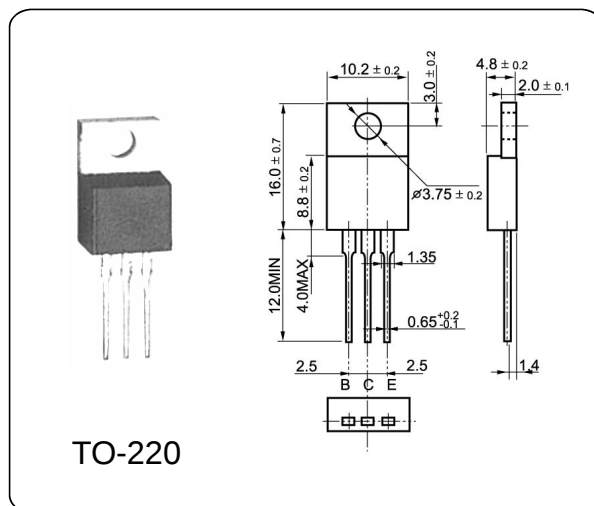


GENERAL DESCRIPTION

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	$I_{T(RMS)}$	4.0	A
Non-repetitive peak on-state current	I_{TSM}	25	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 °C		4		A
On-state voltage		V_T	$I_T=5A$		1.4	1.7	V
Holding current		I_H	$V_D = 12 V$; $I_{GT} = 0.1 A$		2.2	15	mA
Gate trigger current	T2+G+	I_{GT}	$V_D = 12 V$; $I_T = 0.1 A$		2.5	10	mA
	T2+G-				4.0	10	
	T2-G-				5.0	10	
	T2-G+				11	25	
Latching current	T2+G+	I_L	$V_D = 12 V$; $I_{GT} = 0.1 A$		3.0	15	mA
	T2+G-				10	20	
	T2-G-				2.5	15	
	T2-G+				4.0	20	
Gate trigger voltage		V_{GT}	$V_D = 12 V$; $I_T = 0.1 A$		0.7	1.5	V