

Product specification

Triacs sensitive gate

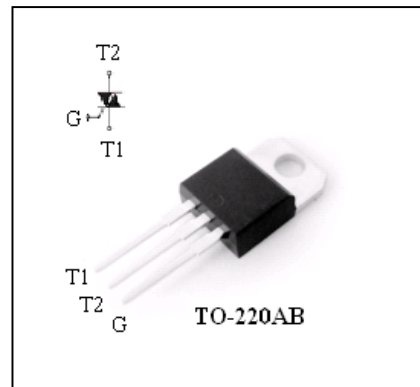
Y Z P S T - T2550H-600T

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	$I_{T(RMS)}$	25	A
Non-repetitive peak on-state current	I_{TSM}	210	A
Max.Operating Junction temperature	T_j	-40--+125	°C
Storage Temperature	T_{stg}	-40--+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 : $T_{mb} \leq 120^\circ C$	—	25	—	A
On-state voltage	V_T	$I_T = 25A$	—	1.2	1.5	V
Holding current	I_H	$V_D = 12 V$; $I_{GT} = 0.1 A$	—	—	50	mA
Gate trigger current	T2+G+	$V_D = 12 V$; $I_{GT} = 0.1 A$	—	14	50	mA
	T2+G-		—	28	50	
	T2-G-		—	25	50	
Latching current	T2+G+	$V_D = 12 V$; $I_{GT} = 0.1 A$	—	—	90	mA
	T2+G-		—	—	90	
	T2-G-		—	—	90	
Gate trigger voltage	V_{GT}	$V_D = 12 V$; $I_T = 0.1 A$	—	—	1.3	V

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