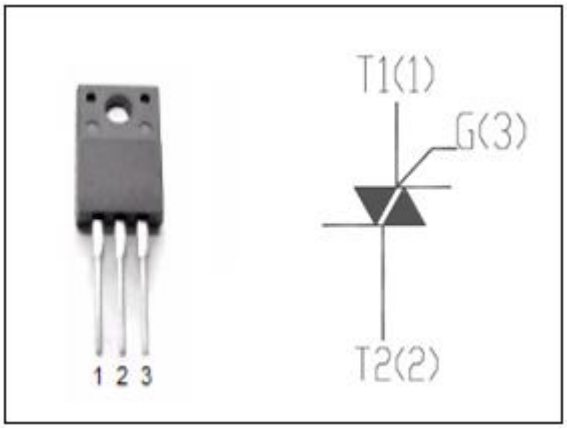
isc Triacs MAC218A10FP



FEATURES

- With TO-220F package
- Glass passivated triacs in a plastic envelope, for use in Applications requiring high bidirectional transient and blocking voltage capability and high thermal cycling performance.Typical applications include motor control, industrial and domestic lighting,heating and static switching.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)	8	A
I_{TSM}	Non-repetitive peak on-state current	100	A
P_{GM}	Peak gate power dissipation	16	W
$P_{G(AV)}$	Average gate power dissipation	0.5	W
T_j	Operating junction temperature	150	℃
T_{stg}	Storage temperature	-40~150	℃

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM},Tj=25℃ V_R=V_{RRM}, Tj=125℃		0.01 2	mA
I_{DRM}	Repetitive peak off-state current		V_D=V_{DRM},Tj=25℃ V_D=V_{DRM}, Tj=125℃		0.01 2	mA
I_{GT}	Gate trigger current	I	V_D=12V; R_L=100Ω		35	mA
		II			35	
		III			35	
		IV			70	
V_{TM}	On-state voltage		I_T= 11.3A		2	V
I_H	Holding current		I_{GT}= 0.2A, V_D= 12V		50	mA
V_{GT}	Gate trigger voltage		V_D=12V; R_L=100Ω		2	V

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