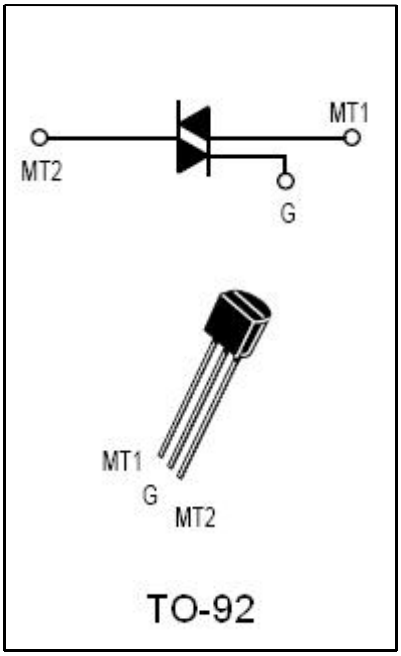
Isc Triacs MAC97A8

FEATURES

- With TO-92 package
- Designed for use in solid state relays, MPU interface, TTL logic and any other light industrial or consumer application.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak off-state voltage	600	V
$I_{T(RMS)}$	On-state RMS current	0.6	A
I_{TSM}	Peak non-repetitive surge current	8	A
P_{GM}	Peak gate power t≤2μs	5.0	W
$P_{G(AV)}$	Average gate power T_C=80℃, t≤8.3ms	0.1	W
T_j	Operating junction temperature	-40--+110	℃
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} V_R= V_{RRM}; T_j= 110℃		10 200	μA
I_{DRM}	Repetitive peak off-state current		V_D= V_{DRM} V_D= V_{DRM}; T_j= 110℃		10 200	μA
I_{GT}	Gate trigger current	I	V_D=12V; R_L=100Ω		5	mA
		II			5	
		III			5	
		IV			7	
V_{TM}	On-state voltage		I_T=0.85A		1.65	V
I_H	Holding current		I_T=0.2A, Gate Open		5	mA
V_{GT}	Gate trigger voltage all quadrant		V_D=12V; R_L=100Ω		1.5	V

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