

Triacs

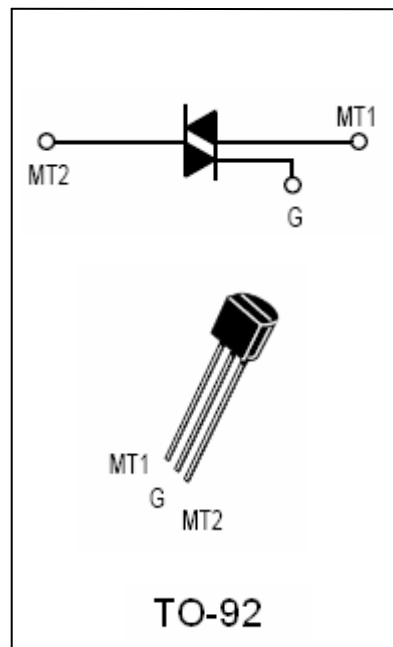
MAC97A6

FEATURES

- With TO-92 package
- Designed for use in solid state relays, MPU interface, TTL logic and any other light industrial or consumer application.
- Sensitive gate triggering in four trigger modes for all possible combinations of trigger sources, and especially for circuits that source gate drives.

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	400	V
V_{RRM}	Repetitive peak off-state voltage	400	V
$I_{T(AV)}$	Average on-state current	0.8	A
I_{TSM}	Non-repetitive peak on-state current	8	A
T_j	Operating junction temperature	110	°C
T_{stg}	Storage temperature	-45~150	°C



CHARACTERISTICS

T_j=25°C unless otherwise specified

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
V_{DRM}	Repetitive peak off-state voltage		$I_D=0.1mA$	400		V
V_{RRM}	Repetitive peak reverse voltage		$I_D=0.2mA$	400		V
I_{RRM}	Repetitive peak reverse current		$V_{RRM}=360V$		10	μA
I_{DRM}	Repetitive peak off-state current		$V_{DRM}=360V$		10	μA
I_{GT}	Gate trigger current	I	$V_D=12V; R_L=100\Omega$		6	mA
		II			6	
		III			6	
		IV			35	
V_{TM}	On-state voltage		$I_T=1.6A$		1.7	V
I_H	Holding current		$I_T=0.1A, I_{GT}=20mA$		8	mA
V_{GT}	Gate trigger voltage	I	$V_D=12V; R_L=100\Omega$		1.5	V
		II			1.5	
		III			1.5	
		IV			1.8	