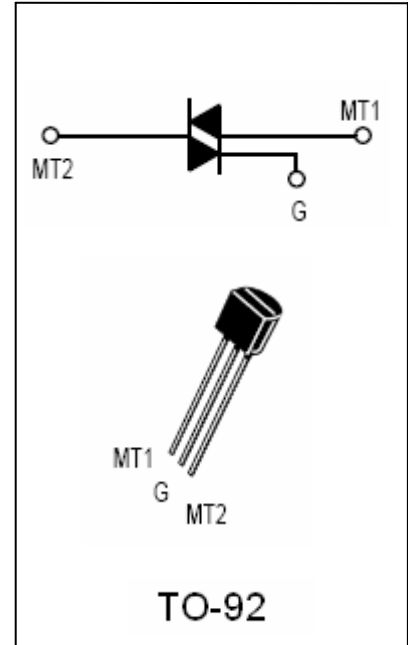# Triacs   MAC97A6

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℃)

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	℃
T_{stg}	Storage temperature	-45~150	℃

TO-92

CHARACTERISTICS
Tj=25℃ 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=0.2 mA	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=100Ω		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=100Ω		1.5	V
		II			1.5	
		III			1.5	
		IV			1.8	