



TIGER ELECTRONIC CO.,LTD

TO-92 Plastic-Encapsulate Transistors

MAC97A8 TRIAC

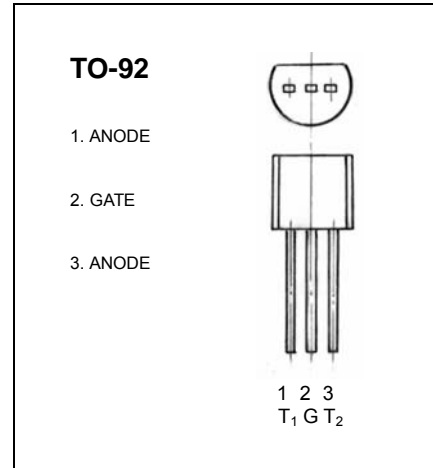
FEATURES

V_{DRM} : 600 V

$I_{T(RMS)}$: 1 A

Operating and storage junction temperature range

T_J, T_{stg} : -55°C to +150°C



ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter		Symbol	Test conditions		MIN	MAX	UNIT
Rated repetitive peak off-state current		I_{DRM}	$V_D = V_{DRM}$			100	μA
On-state voltage		V_{TM}	$I_T = 1.5A$			1.5	V
Gate trigger current	I	I_{GT}	T ₂ (+), G(+)	$V_D = 12V$		15	mA
	II		T ₂ (+), G(-)			15	mA
	III		T ₂ (-), G(-)	$R_L = 100\Omega$		15	mA
	IV		T ₂ (-), G(+)			-	mA
Gate trigger voltage	I	V_{GT}	T ₂ (+), G(+)	$V_D = 12V$		1.5	V
	II		T ₂ (+), G(-)			1.5	V
	III		T ₂ (-), G(-)	$R_L = 100\Omega$		1.5	V
	IV		T ₂ (-), G(+)			-	V
Holding current	I	I_H	$V_D = 24V \quad I_G = 50mA$			50	mA
	II						