

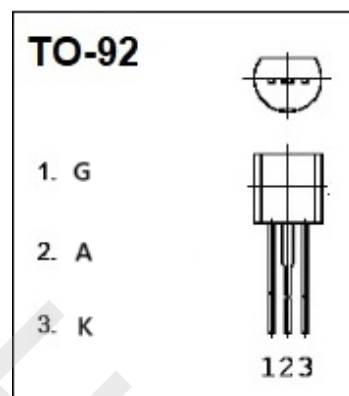
FEATURES

- Planar Passivation
- Short Turn-on Time –Suitable to Pulse Use

APPLICATIONS

- Phase Control
- Triggering of High Power Thyristors, Pulse Generators and Counters
- Static Switch
- Motor Control
- Strobe Flasher

SYMBOL



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Off-State Voltages	V_{DRM} , V_{RRM}	600	V
RMS on-State Current	$I_{T(RMS)}$	0.8	A
Non-Repetitive Peak On-State Current	I_{TSM}	10	A
Peak gate current	I_{GM}	1.0	A
I^2t for fusing	I^2t	0.4	A ² s
Peak Gate Power – Forward	P_{GM}	0.1	W
Peak Gate Power	$P_{G(AV)}$	0.01	W
Peak Reverse Gate Voltage	V_{RGM}	6	V
Peak gate forward voltage	V_{FGM}	6	V
Operating junction temperature	T_J	-40~+125	°C
Storage Temperature	T_{STG}	-40~+150	°C

ELECTRICAL CHARACTERISTICS (T_J=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
Peak Repetitive Forward or Reverse Blocking Current	I_{DRM} I_{RRM}	$V_{\text{AK}} = \text{Rated } V_{\text{DRM}} \text{ or } V_{\text{RRM}};$		10	uA
Gate Trigger Current	I_{GT}	$V_{\text{D}}=12\text{V}, R_{\text{L}}=100\Omega$		100	uA
Gate Trigger Voltage	V_{GT}	$V_{\text{D}}=12\text{V}, R_{\text{L}}=100\Omega$		0.8	V
Peak Forward On-State Voltage	V_{TM}	$I_{\text{T}}=0.6\text{A}$		1.5	V
Latch Current	I_{L}	$I_{\text{G}}=1.2I_{\text{GT}}$		10	mA
Holding Current	I_{H}	$I_{\text{T}}=50\text{mA}$		3	mA
Gate non-trigger voltage	V_{GD}	$V_{\text{D}}=1/2V_{\text{DRM}}, R_{\text{GK}}=1\text{k}\Omega$	0.2		V