



# TIGER ELECTRONIC CO.,LTD

## TO-92 Plastic-Encapsulate Transistors

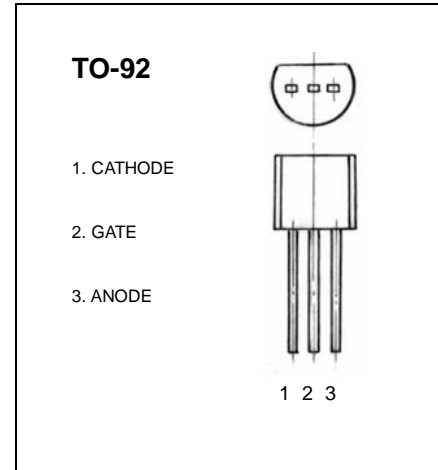
### XL1225 Silicon Planar pnpn Thyristor

#### FEATURES

Current- $I_{GT}$ : 120  $\mu$ A

$I_{TRMS}$ : 0.6 A

$V_{DRM}$ : 400 V



Operating and storage junction temperature range

$T_J, T_{stg}$ : -55°C to +150°C

#### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT	
On state voltage	$V_{TM}$	$I_{TM}=0.6A$		1.7	V	
Gate trigger voltage	$V_{GTF}$	$V_{AK}=7V$		0.8	V	
Repetitive peak off-state voltage	$V_{DRM}$	$I_{DRM}= 10\mu A$	400		V	
Holding current	$I_H$	$I_{HL}= 20mA, A_v = 7 V$		5	mA	
Gate trigger current	$I_{GTF}$	$V_{AR}=7V$	A2	5	15	$\mu A$
			A1	15	30	$\mu A$
			A-1	30	45	$\mu A$
			A-2	45	60	$\mu A$
			A	60	80	$\mu A$
			B	80	120	$\mu A$