



Part: T106D1  
Series: Teccor® Sensitive SCR Devices  
Technology:SCRs

PARAMETERS		
Package Type	Pkg Type	Radial Leaded
Mount Method	Mount	Through Hole
Critical Rate-of-rise of On-state Current	$di/dt$ (A/ $\mu$ s)	50
Critical rate-of-rise of applied forward voltage	$dv/dt$ @ 100 $^{\circ}$ C V/ $\mu$ s	8
Peak off-state forward and reverse current	$I_{DRM}$ & $I_{RRM}$ @ 100 $^{\circ}$ C (mA)	100.0000
Peak off-state forward and reverse current	$I_{DRM}$ & $I_{RRM}$ @ 125 $^{\circ}$ C (mA)	0.0000
Peak off-state forward and reverse current	$I_{DRM}$ & $I_{RRM}$ @ 25 $^{\circ}$ C (mA)	2.0000
Peak Gate Current	$I_{GM}$ (A)	1
Average on-state current	$I_{T(AV)}$ MAX (A)	2.5000
RMS Surge (Non-repetitive) On-state Fusing Current	$I^2 t$ (A <sup>2</sup> Sec)	1
Average Gate Power Dissipation	$P_{G(AV)}$ (W)	0.1000
Peak Gate Power Dissipation	$P_{GM}$ (W)	1
Package Size/Form Factor	size	TO-202
Gate-controlled Turn-on time	$T_{GT}$ ( $\mu$ s)	4
Circuit commutated turn-off time	$T_Q$ ( $\mu$ s)	50
Peak Reverse Gate Voltage	$V_{GRM}$ MIN (V)	6
Gate Trigger Voltage	$V_{GT}$ @ 110 $^{\circ}$ C min (V)	0.2000
Gate Trigger Voltage	$V_{GT}$ @ 125 $^{\circ}$ C min (V)	0.0000
Peak on-state Gate Trigger Voltage	$V_{GTM}$ (V)	1.0000
Gate Trigger Voltage	$V_{gt}$ @ 25 $^{\circ}$ C max (V)	0.8000
Maximum on-state current	$I_{T(RMS)}$ max (A)	4.0
Repetitive Peak Off-state Forward and Reverse Voltage	$V_{DRM}$ & $V_{RRM}$ (V)	400
Gate Trigger Current	$I_{GT}$ MAX (mA)	0.00
Gate Trigger Current	$I_{GT}$ MAX ( $\mu$ A)	0
Gate Trigger Current	$I_{GT}$ MIN (mA)	0.00
Gate Trigger Current	$I_{GT}$ MAX ( $\mu$ A)	200
Holding Current	$I_H$ MAX (mA)	5
Surge (Non-repetitive) On-state current	$I_{TSM}$ @ 60Hz (A)	20
Surge (Non-repetitive) On-state current	$I_{TSM}$ @ 50Hz (A)	16
Peak on-state voltage at maximum rated RMS current	$V_{TM}$ MAX (V)	2.2000
Critical rate-of-rise of applied forward voltage	$dv/dt$ @ 125 $^{\circ}$ C V/ $\mu$ s	0

