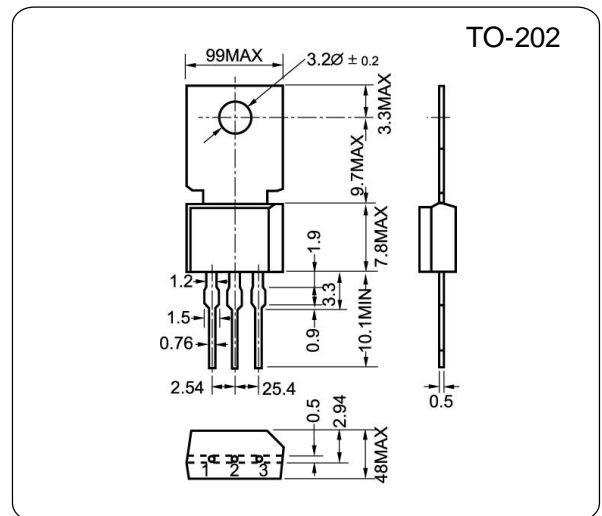


**GENERAL DESCRIPTION**

Thanks to highly sensitive triggering levels, the X04 SCR series is suitable for all applications where the available gate current is limited, such as capacitive discharge ignitions, motor control in kitchen aids, overvoltage crowbar protection in low power supplies...

**ABSOLUTE MAXIMUM RATINGS ( Ta = 25 °C)**

Parameter	Symbol	Typ	Unit
Repetitive peak off-state voltages	$V_{DRM}$ $V_{RRM}$	400	V
Average on-state current	$I_{T(AV)}$	2.5	A
RMS on-state current	$I_{T(RMS)}$	4.0	A
Non-repetitive peak on-state current	$I_{TSM}$	33	A
Max. Operating Junction Temperature	$T_j$	110	°C
Storage Temperature	$T_{stg}$	-45~150	°C



**ELECTRICAL CHARACTERISTICS ( Ta = 25 °C)**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Repetitive peak off-state voltages	$V_{DRM}$ $V_{RRM}$		—	400	—	V
Average on-state current	$I_{T(AV)}$	half sine wave; $T_{mb} < 103\text{ °C}$	—	2.5	—	A
RMS on-state current	$I_{T(RMS)}$	all conduction angles	—	4.0	—	A
On-state voltage	$V_{TM}$	$I_T = 8.0\text{ A}$ $t_p = 380\text{ }\mu\text{ s}$	—	1.4	1.80	V
Holding current	$I_H$	$V_D = 12\text{ V}$ ; $I_{GT} = 0.1\text{ A}$	—	—	5.0	mA
Latching current	$I_L$	$V_D = 12\text{ V}$ ; $I_{GT} = 0.1\text{ A}$	6.0	—	—	mA
Gate trigger current	$I_{GT}$	$V_D = 12\text{ V}$ ; $I_T = 0.1\text{ A}$	—	—	200	uA
Gate trigger voltage	$V_{GT}$	$V_D = 12\text{ V}$ ; $I_T = 0.1\text{ A}$	—	0.8	1.5	V