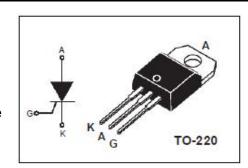


isc Thyristors S8008R

DESCRIPTION

- With TO-220 Non-isolated packaging
- Glass passivated junctions and center gate fire for greater parameter uniformity and stability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak reverse voltage	800	V
I _{T(RMS)}	RMS on-state current	8	Α
I _{TSM}	Surge non-repetitive on-state current 50Hz 60Hz	83 100	А
$P_{G(AV)}$	Average gate power dissipation	0.5	W
Tj	Operating junction temperature	-40~125	$^{\circ}\mathbb{C}$
T _{stg}	Storage temperature	-40~150	$^{\circ}\mathbb{C}$

ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM}	T _j =25℃		0.01	
I _{DRM}	Repetitive peak off-state current	V _{DM} =V _{DRM}	T _j =100℃ T _j =125℃		0.2 0.5	mA
V_{TM}	On-state voltage	I _{TM} = 8A			1.6	V
I _{GT}	Gate-trigger current	V _D = 12 V; RL=33 Ω		1	15	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V; RL=33 Ω			1.5	V
I _H	Holding current	I _{GT} = 0.2A			30	mA

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