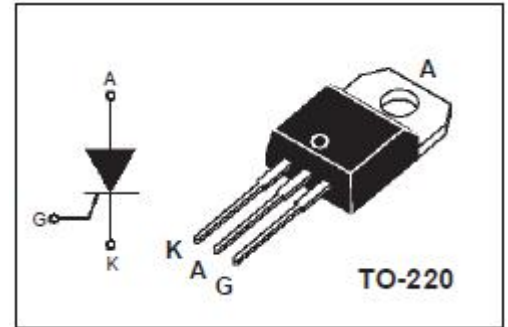


isc Thyristors**S8015L****DESCRIPTION**

- With TO-220 packaging
- High heat dissipation and durability
- Thermowatt construction for low thermal
- 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

**APPLICATIONS**

- Switching applications

ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

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 T _c =70°C	15	A
I _{TSM}	Surge non-repetitive on-state current (1/2 cycle,sine wave;60HZ;T _c =125°C)	188	A
P _{G(AV)}	Average gate power dissipation T _p =8.3ms;T _c =70°C	0.6	W
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C

isc Thyristors**S8015L****ELECTRICAL CHARACTERISTICS (T_c=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM} V _{DM} =V _{DRM}	T _j =25°C		0.02	mA
I _{DRM}	Repetitive peak off-state current		T _j =125°C		2.0	
V _{TM}	On-state voltage	I _{TM} = 30A			1.8	V
I _{GT}	Gate-trigger current	V _D = 12 V; R _L =60 Ω			30	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V; R _L =60 Ω			1.5	V
R _{th(j-c)}	Thermal resistance	Junction to case			2.5	°C/W

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