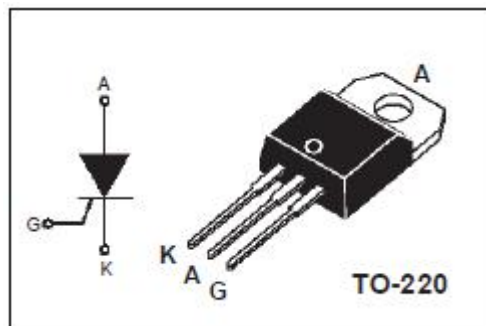


isc Thyristors
S4015L
APPLICATIONS

- With TO-220 package
- It is suitable to fit all modes of control found in applications such as overvoltage crowbar protection, motor control circuits in power tools and kitchen aids, in-rush current limiting circuits, capacitive discharge ignition, voltage regulation circuits etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage	400	V
V _{RRM}	Repetitive peak reverse voltage	400	V
I _{T(RMS)}	RMS on-state current	15	A
I _{T(AV)}	Average on-state current	9.5	A
I _{TSM}	Surge non-repetitive on-state current	50HZ	188
		60HZ	225
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~125	°C

ELECTRICAL CHARACTERISTICS (T_c=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} Rated; V _D =V _{DRM} Rated; T _c =25°C T _c =100°C T _c =125°C		0.01 0.5 1	mA
I _{DRM}	Repetitive peak off-state current				
V _{TM}	On-state voltage			1.6	V
I _{GT}	Gate-trigger current	V _D =12V;RL=60 Ω		30	mA
V _{GT}	Gate-trigger voltage	V _D =12V;RL=60 Ω		1.5	V

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