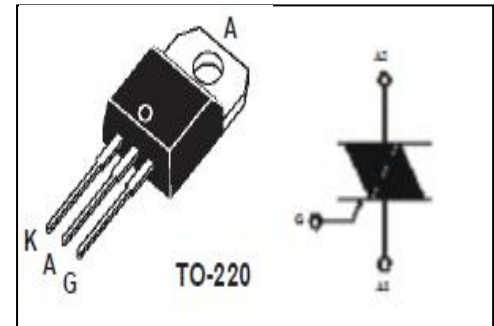


isc Thyristors
Q6025L6
DESCRIPTION

- With TO-220ins packaging
- A triac is a solid state silicon
- AC switch which may be gate triggered from an off-state to an on-state for either polarity of applied voltage
- 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		600	V
V _{RPM}	Repetitive peak reverse voltage		600	V
I _{T(RSM)}	RMS on-state current @T _c =100°C		20	A
I _{TSM}	Surge non-repetitive on-state current	50HZ 60HZ	208 250	A
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 current	peak	reverse	V _R =V _{RPM} Rated; V _D =V _{DRM} Rated;	T _j =25°C T _j =100°C T _j =125°C		0.05 0.5 2	mA
I _{DRM}	Repetitive current	peak	off-state					
V _{TM}	On-state voltage						1.8	V
I _{GT}	Gate-trigger current			V _D =12V;RL=30 Ω ;	I		80	mA
					II		80	
					III		80	
V _{GT}	Gate-trigger voltage			V _D =12V;RL=30 Ω ;			2.5	V

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