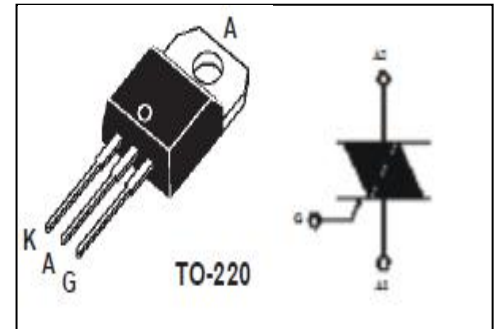


**isc Thyristors**
**Q6015L5**
**DESCRIPTION**

- 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<sub>a</sub>=25°C)**

SYMBOL	PARAMETER	MIN	UNIT
V <sub>DRM</sub>	Repetitive peak off-state voltage	600	V
V <sub>RRM</sub>	Repetitive peak reverse voltage	600	V
I <sub>T(RSM)</sub>	RMS on-state current	15	A
I <sub>TSM</sub>	Surge non-repetitive on-state current	167 200	A
		50HZ 60HZ	
P <sub>G(AV)</sub>	Average gate power dissipation	0.5	W
T <sub>j</sub>	Operating junction temperature	-40~125	°C
T <sub>stg</sub>	Storage temperature	-40~125	°C

**ELECTRICAL CHARACTERISTICS (T<sub>c</sub>=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>R</sub> =V <sub>RRM</sub> Rated; V <sub>D</sub> =V <sub>DRM</sub> Rated;		0.05 0.5 2	mA
I <sub>DRM</sub>	Repetitive peak off-state current				
V <sub>TM</sub>	On-state voltage			1.6	V
I <sub>GT</sub>	Gate-trigger current	V <sub>D</sub> =12V;RL=60 Ω ;	I	50	mA
			II	50	
			III	50	
V <sub>GT</sub>	Gate-trigger voltage	V <sub>D</sub> =12V;RL=60 Ω ;		2.5	V

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