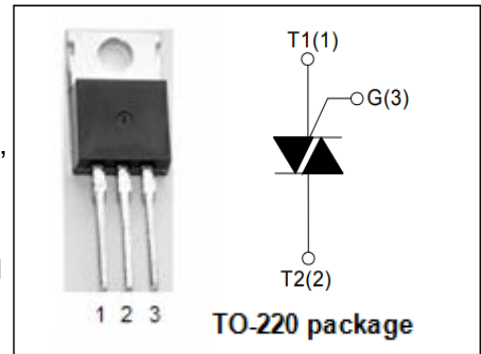


isc Triacs
HQ6025LH5
FEATURES

- With TO-220AB(Isolated) non insulated package
- Suitable for general purpose AC switching. Which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT	
V _{DRM}	Repetitive peak off-state voltage	600	V	
V _{RRM}	Repetitive peak off-state voltage	600	V	
I _{T(RMS)}	RMS on-state current (full sine wave) T _c =95°C	25	A	
I _{TSM}	Non-repetitive peak on-state current t _p =20ms, T _j =25°C	f=50Hz	250	A
		f=60Hz	300	
T _j	Operating junction temperature	-40~150	°C	
T _{stg}	Storage temperature	-40~150	°C	
R _{th(j-c)}	Thermal resistance, junction to case	0.86	°C/W	
R _{th(j-a)}	Thermal resistance, junction to ambient	45	°C/W	

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

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} , V _R =V _{RRM} , T _J =125°C	5 6000	uA
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} , V _D =V _{DRM} , T _J =125°C	5 6000	uA
I _{GT}	Gate trigger current	I	50	mA
		II	50	
		III	50	
I _H	Holding current	I _{GT} = 400mA, Gate Open	80	mA
V _{GT}	Gate trigger voltage all quadrant	V _D =12V; R _L = 60Ω	1.3	V
V _{TM}	On-state voltage	I _T = 35.4A; t _p = 380μ s	1.4	V

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