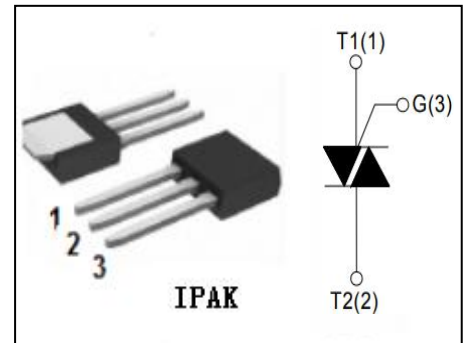


isc Triacs

L6006V5

FEATURES

- With TO-251 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) Tc=95℃		6	A
I _{TSM}	Non-repetitive peak on-state current	f=50Hz	50	A
		f=60Hz	60	
T _j	Operating junction temperature		-40~110	℃
T _{stg}	Storage temperature		-40~125	℃
R _{th(j-c)}	Thermal resistance, junction to case		3.6	℃/W
R _{th(j-a)}	Thermal resistance, junction to ambient		50	℃/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 =110°C	20 500	uA
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} , V _D =V _{DRM} , T _j =110°C	20 500	uA
I _{GT}	Gate trigger current (I —IV)	V _D =12V; R _L = 60 Ω	5	mA
I _H	Holding current	I _{GT} = 100mA, Gate Open	10	mA
V _{GT}	Gate trigger voltage all quadrant	V _D =12V; R _L = 60 Ω	2	V
V _{TM}	On-state voltage	I _T = 6A; t _p = 380 μ s	1.6	V

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