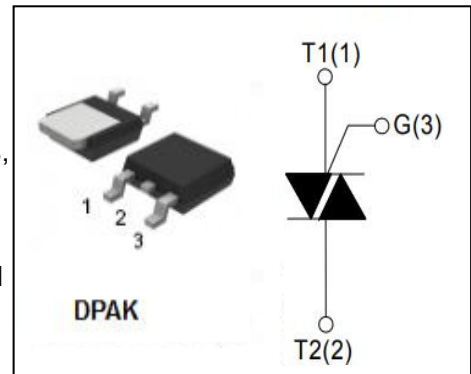


isc Triacs
L6006D8
FEATURES

- With TO-252 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°C	6	A
I _{TSM}	Non-repetitive peak on-state current	f=50Hz	50
		f=60Hz	60
T _j	Operating junction temperature	-40~110	°C
T _{stg}	Storage temperature	-40~125	°C
R _{th(j-c)}	Thermal resistance, junction to case	3.6	°C/W
R _{th(j-a)}	Thermal resistance, junction to ambient	50	°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 =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	V _D =12V; R _L = 60 Ω	I — III	10
			IV	20
I _H	Holding current	I _{GT} = 100mA, Gate Open	20	mA
V _{GT}	Gate trigger voltage all quadrant	V _D =12V; R _L = 60 Ω	2	V
V _{TM}	On-state voltage	I _T = 4A; t _p = 380 μ s	1.6	V

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