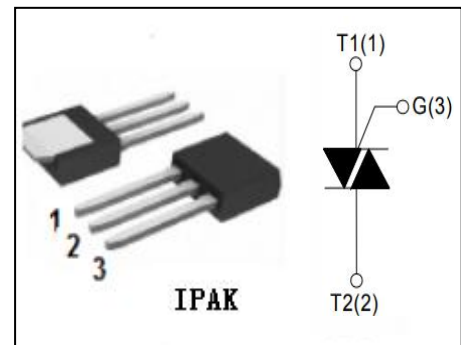


**isc Triacs**
**L6004V5**
**FEATURES**

- 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 <sub>DRM</sub>	Repetitive peak off-state voltage	600	V
V <sub>RRM</sub>	Repetitive peak off-state voltage	600	V
I <sub>T(RMS)</sub>	RMS on-state current (full sine wave) T <sub>c</sub> =95°C	4	A
I <sub>TSM</sub>	Non-repetitive peak on-state current	f=50Hz	33
		f=60Hz	40
T <sub>j</sub>	Operating junction temperature	-40~110	°C
T <sub>stg</sub>	Storage temperature	-40~125	°C
R <sub>th(j-c)</sub>	Thermal resistance, junction to case	3.6	°C/W
R <sub>th(j-a)</sub>	Thermal resistance, junction to ambient	50	°C/W

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

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>R</sub> =V <sub>RRM</sub> , V <sub>R</sub> =V <sub>RRM</sub> , T <sub>j</sub> =110°C	10 200	uA
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>D</sub> =V <sub>DRM</sub> , V <sub>D</sub> =V <sub>DRM</sub> , T <sub>j</sub> =110°C	10 200	uA
I <sub>GT</sub>	Gate trigger current ( I —IV )	V <sub>D</sub> =12V; R <sub>L</sub> = 60 Ω	5	mA
I <sub>H</sub>	Holding current	I <sub>GT</sub> = 100mA, Gate Open	10	mA
V <sub>GT</sub>	Gate trigger voltage all quadrant	V <sub>D</sub> =12V; R <sub>L</sub> = 60 Ω	2	V
V <sub>TM</sub>	On-state voltage	I <sub>T</sub> = 4A; t <sub>p</sub> = 380 μ s	1.6	V

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