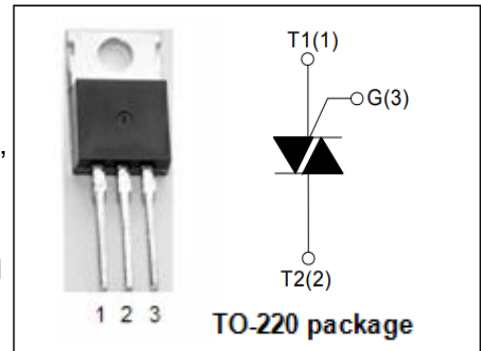


isc Triacs

L6004L5

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) Tc=95°C	4	A
I_{TSM}	Non-repetitive peak on-state current	f=50Hz	33
		f=60Hz	40
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 (Tc=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current	$V_R=V_{RRM}$, $V_R=V_{RRM}$, Tj=110°C	10 200	uA
I_{DRM}	Repetitive peak off-state current	$V_D=V_{DRM}$, $V_D=V_{DRM}$, Tj=110°C	10 200	uA
I_{GT}	Gate trigger current (I —IV)	$V_D=12V$; $R_L=60\Omega$	5	mA
I_H	Holding current	$I_{GT}=100mA$, Gate Open	10	mA
V_{GT}	Gate trigger voltage all quadrant	$V_D=12V$; $R_L=60\Omega$	2	V
V_{TM}	On-state voltage	$I_T=4A$; $t_p=380\mu s$	1.6	V

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