

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TGBL06L	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	600	V
Maximum RMS Bridge Input Voltage	VRMS	420	V
Maximum DC Blocking Voltage	VDC	600	V
Maximum Average Forward Rectified Output Current @ TA=50 (Note1)	I(AV)	4.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125	A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	0.92	V
I ² t Rating for Fusing (t<8.3ms)	I ² t	65	A ² s
Maximum Reverse Current at Rated DC Blocking Voltage	IR	10.0	A
Maximum Reverse Current at Rated DC Blocking Voltage @ TJ =100	IR	1.0	mA
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG	-55 to +150	°C

Note:1.Mounting conditions,0.5" lead length maximum.

RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

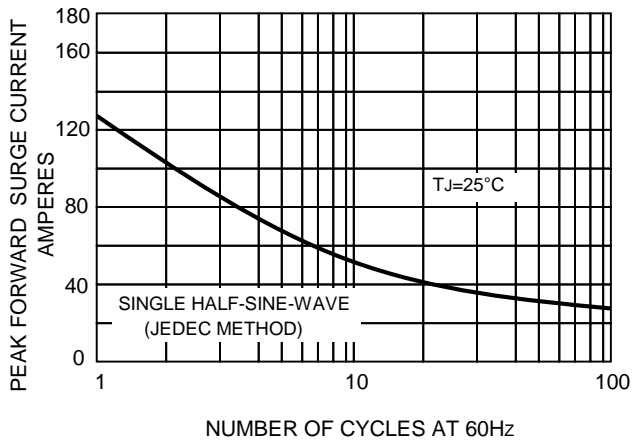


FIG.2-FORWARD DERATING CURRENT

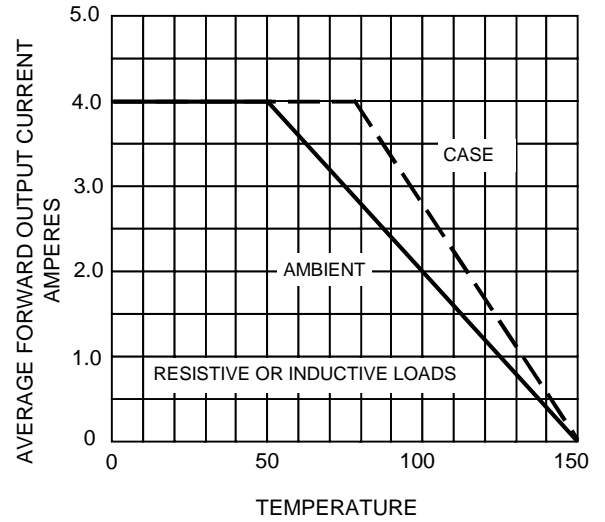


FIG.3-TYPICAL FORWARD CHARACTERISTICS

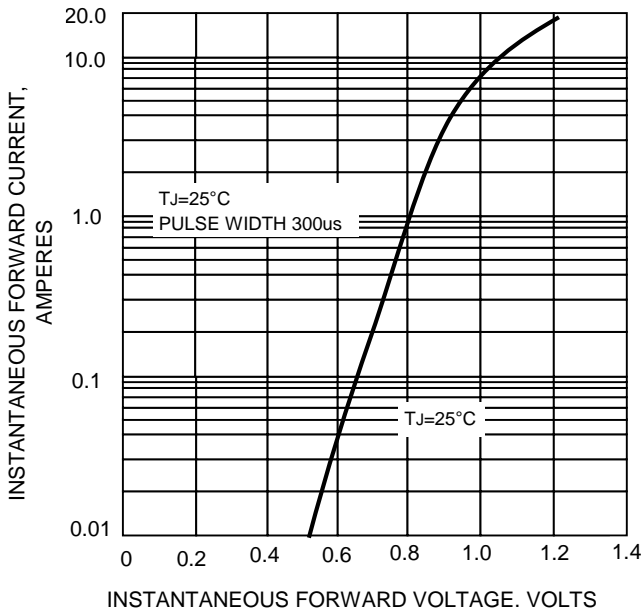
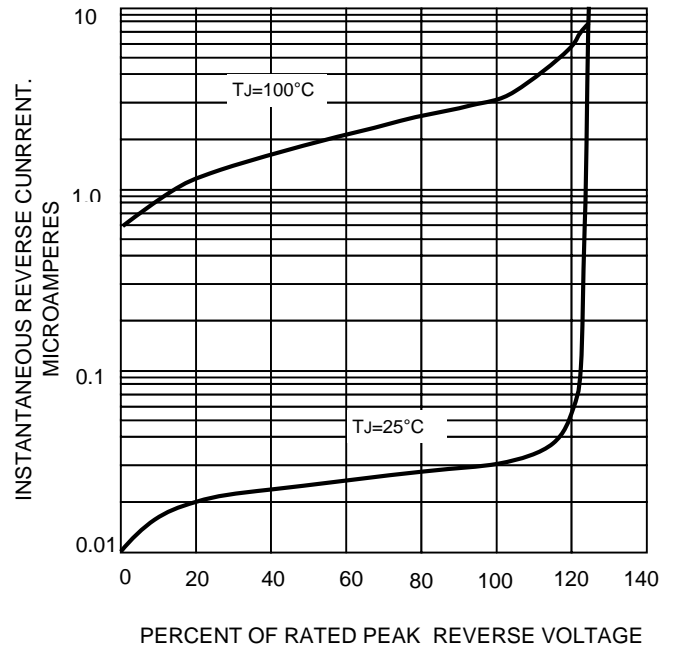


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!