D4KB6L

GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **600**Volts
FORWARD CURRENT - **4.0** Amperes

FEATURES

- Glass passivated chip junction
- High case dielectric strength
- High surge current capability

Ideal for printed circuit board

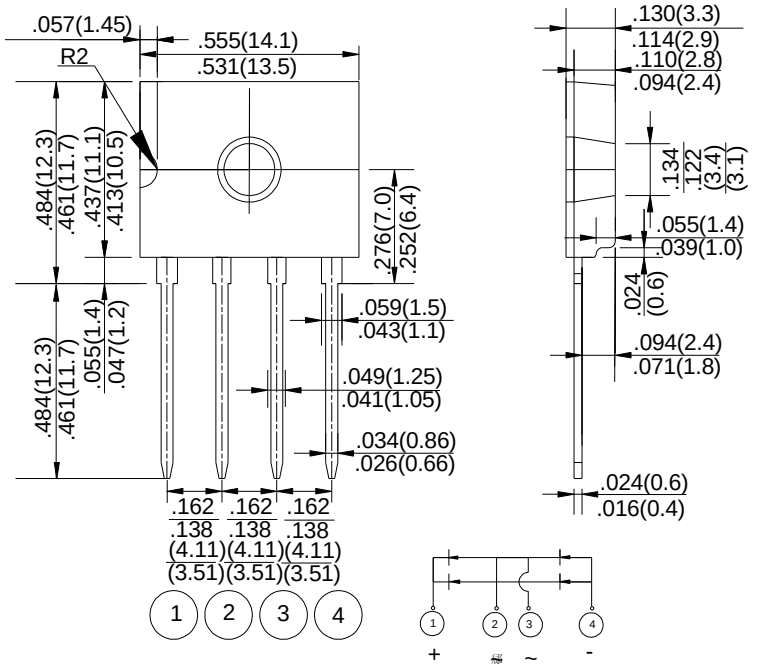
MACHANICAL DATA

- Terminal:Plated leads solderable per MIL-STD 202E,

Method 208C

- Case:UL-94 Class V-0 recognized Flane Retardant Epoxy
- Polarity:Polarity symbol marked on body
- Mounting position:any

D3K



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	D4KB6L	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Output Current @ T_C=138℃ (with heatsink)	$I_{(AV)}$	4	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	135	A
Maximum Forward Voltage at 4.0A DC	V_F	0.92	V
I^2t Rating for Fusing (t<8.3ms)	I^2t	76	A^2s
Typical Thermal Resistance without heatsink	$R_{\theta Ja}$	55	℃/W
with heatsink	$R_{\theta JC}$	127	
without heatsink	$R_{\theta JL}$	15	
Maximum DC Reverse Current @ T_a=25℃	I_R	10.0	μA
at Rated DC Blocking Voltage @ T_a=125℃		500	
Operating Temperature Range	T_J	-55 to +150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

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RATING AND CHARACTERTIC CURVES
D4KB6L

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

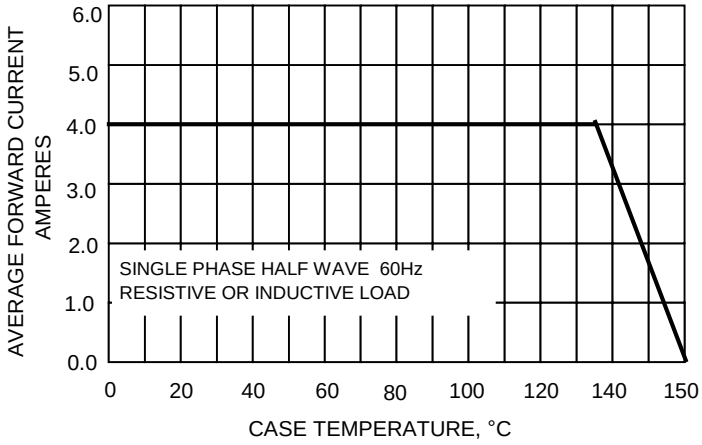


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

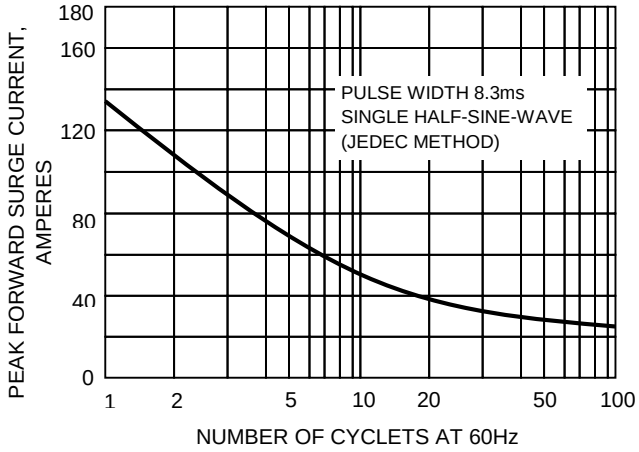


FIG.3-TYPICAL JUNCTION CAPACITANCE

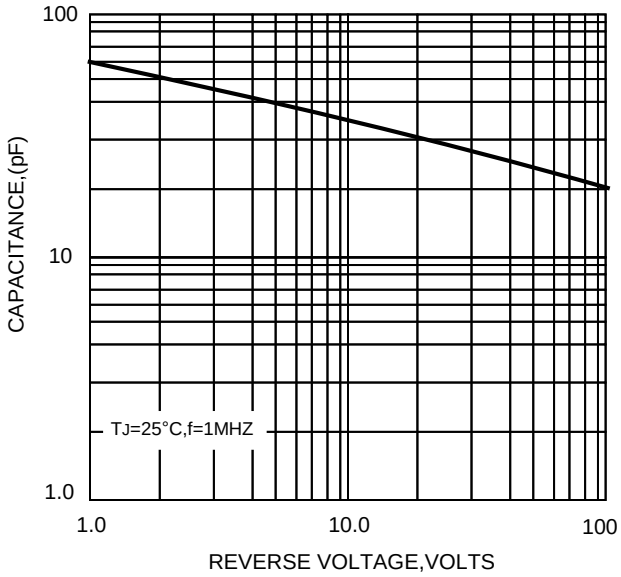


FIG.4-TYPICAL FORWARD CHARACTERISTICS

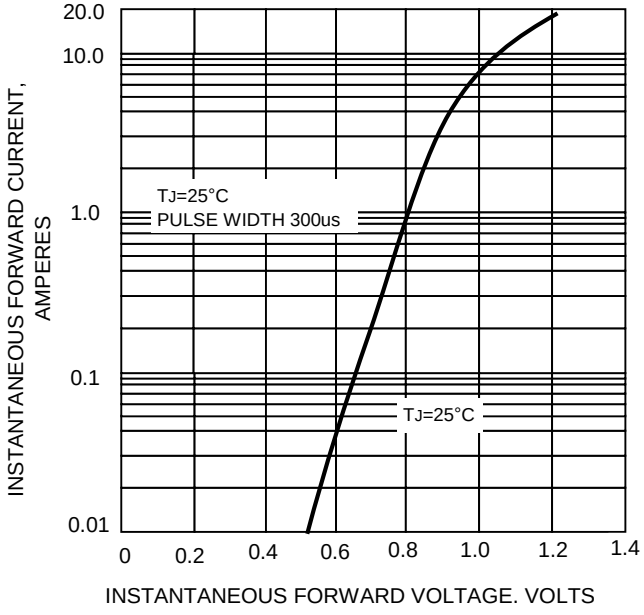
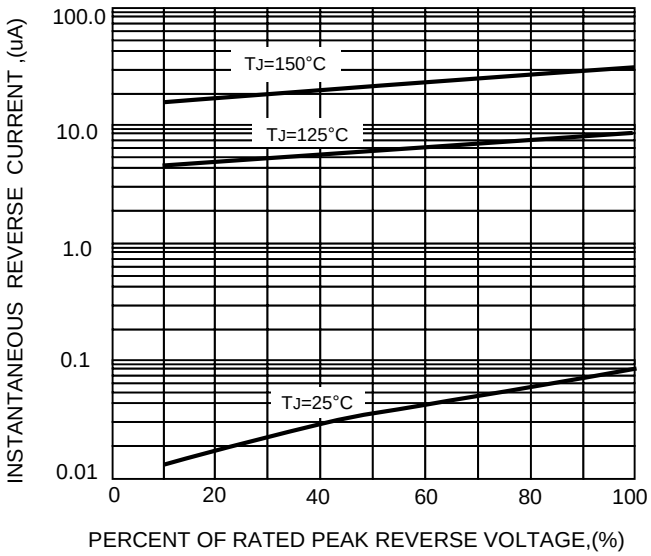


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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

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