

GLASS PASSIVATED BRIDGE RECTIFIERS

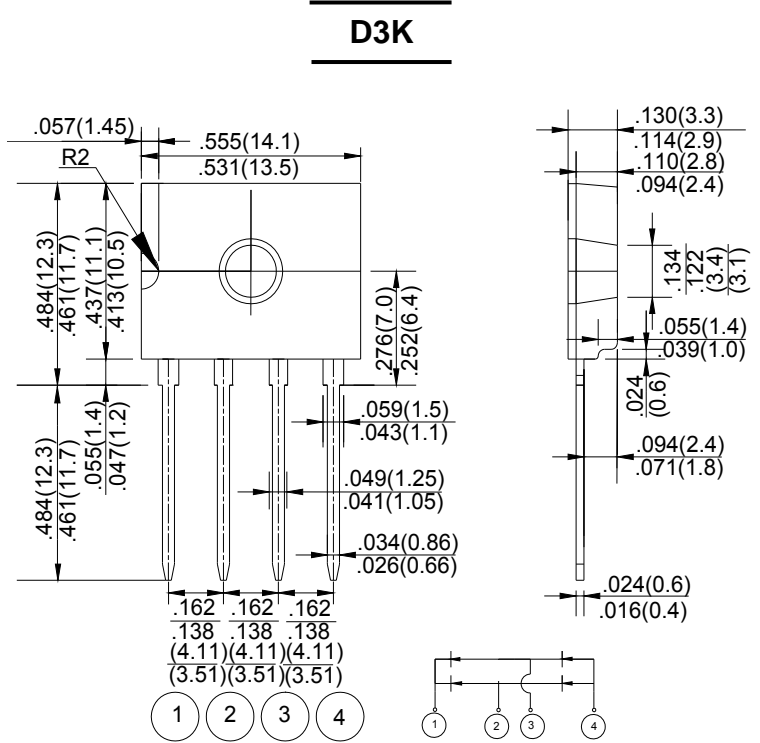
REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 4.0 Amperes

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 Flame Retardant Epoxy
- Polarity:Polarity symbol marked on body
- Mounting position:any



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	D4KB05	D4KB1	D4KB2	D4KB4	D4KB6	D4KB8	D4KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T _c =138°C (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 2.0A DC	V _F	0.95							V
Maximum Forward Voltage at 4.0A DC	V _F	1.05							V
I ² t Rating for Fusing (t<8.3ms)	I ² t	75.6							A ² s
Typical Thermal Resistance	without heatsink	R _{θJA}							°C/W
	with heatsink (Note2)	R _{θJC}							
	without heatsink	R _{θJL}							
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ T _J =25°C	I _R							μA
	@ T _J =125°C	500							
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

NOTES: 1.Device mounted on 50mm*50mm*1.6mm Cu plate heatsink.
2.The typical data above is for reference only(典型值仅供参考).

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

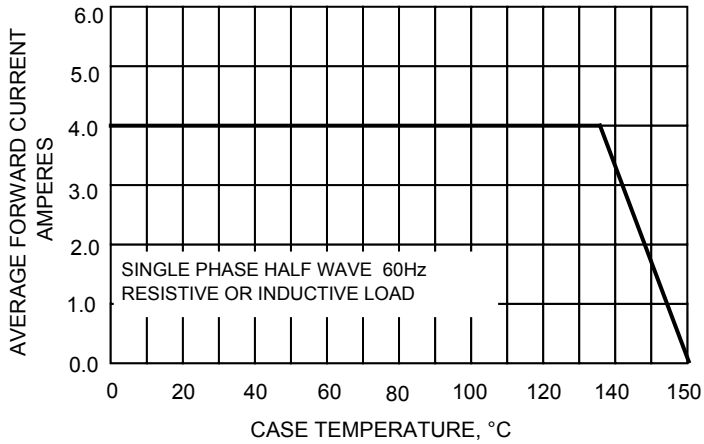


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

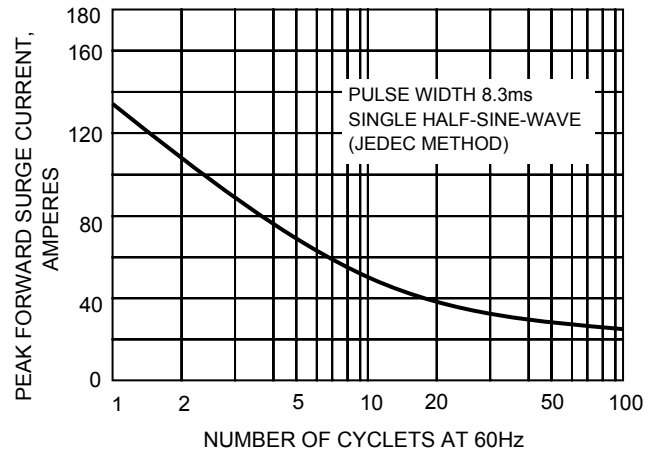


FIG.3-TYPICAL JUNCTION CAPACITANCE

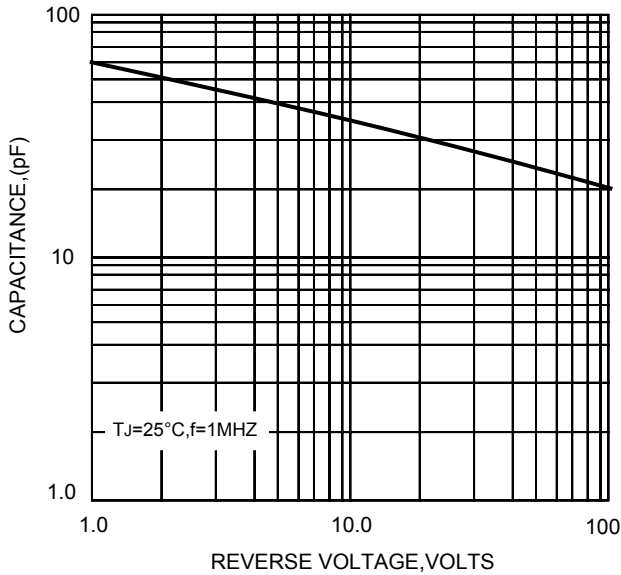


FIG.4-TYPICAL FORWARD CHARACTERISTICS

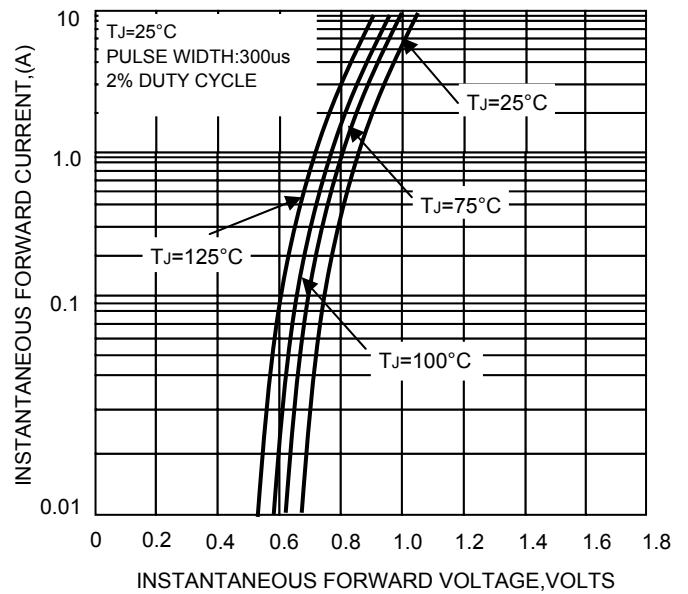
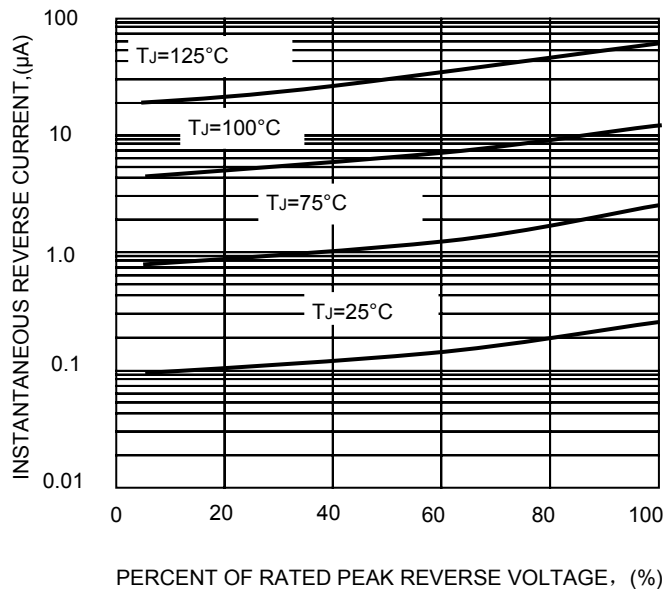


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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



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