

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 3.0 Amperes

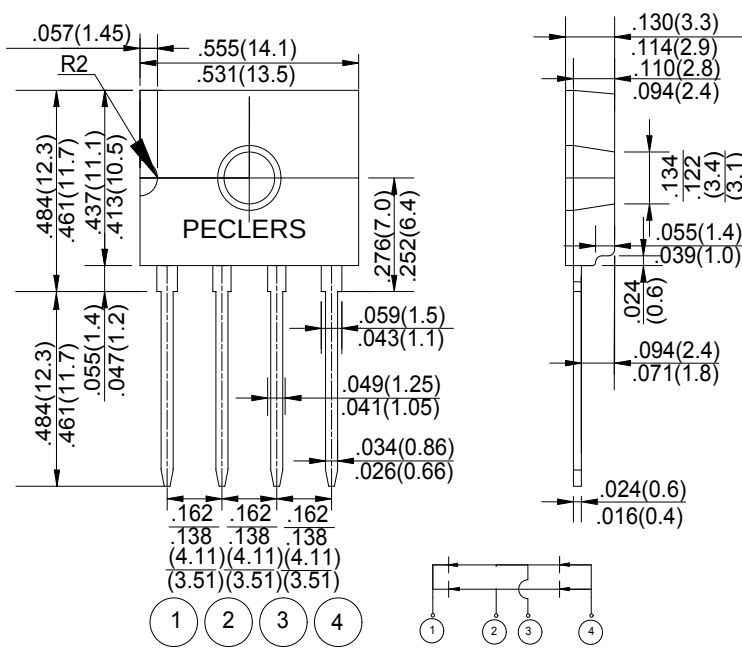
FEATURES

- 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

D3K



Dimensions in inches and (milimeters)

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	D3KB05	D3KB1	D3KB2	D3KB4	D3KB6	D3KB8	D3KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ Tc=140℃ (with heatsink) @ Ta=29℃ (without heatsink)	l(AV)	3 1.2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	lFSM	90							A
Maximum Forward Voltage at 1.5A DC	VF	1.05							V
I ² t Rating for Fusing (t<8.3ms)	I ² t	35							A ² s
Maximum Typical Thermal Resistance without heatsink	RθJa	55							℃/W
with heatsink	RθJC	1.5							
without heats	RθJL	15							
Maximum DC Reverse Current @ Ta=25℃ at Rated DC Blocking Voltage @ Ta=125℃	IR	10.0 500							μA
Operating Temperature Range	TJ	-55 to +150							℃
Storage Temperature Range	TSTG	-55 to +150							℃

NOTES:The typical data above is for reference only(典型值仅供参考).

RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE OUTPUT
RECTIFIED CURRENT

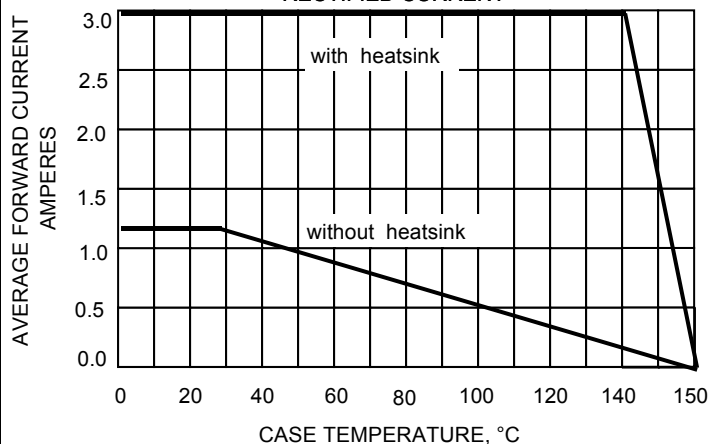


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

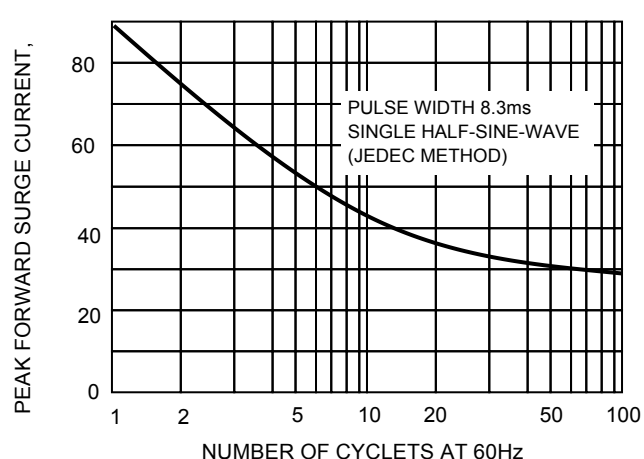


FIG.3-TYPICAL FORWARD CHARACTERISTICS

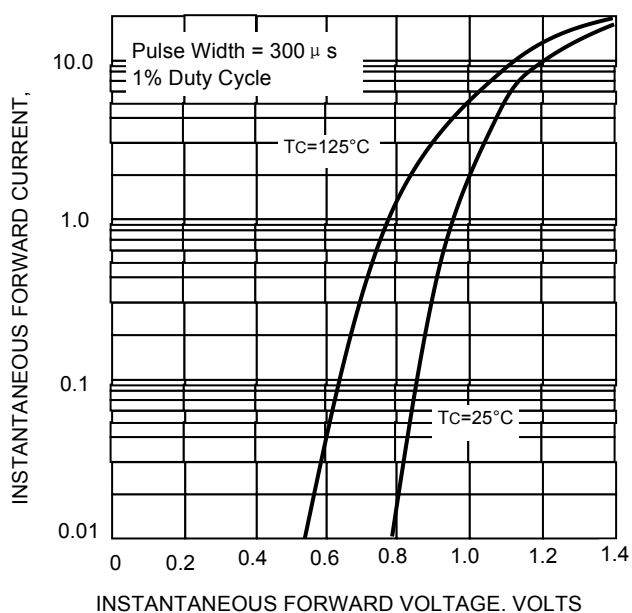
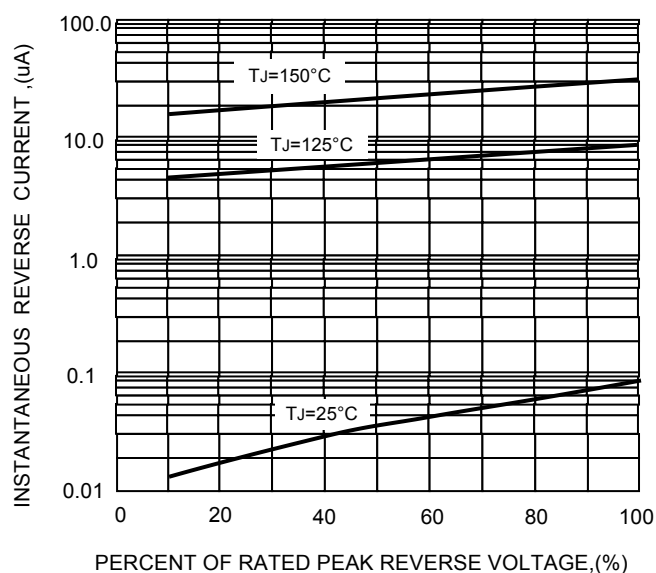


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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