



4GBJ6AG THRU 4GBJ6MG

Glass Passivated Bridge Rectifiers

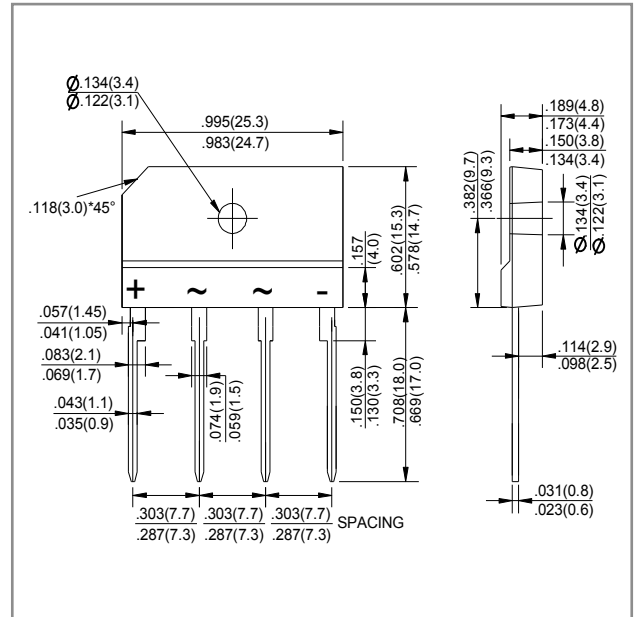
Volatge Rangs - 50 to 1000 Volts

Forward Current - 6.0 Amperes

Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic
- Technique results in inexpensive product
- The plastic material has U/L flammability classification 94V-0

RS5



Dimensions in inches and (millimeters)

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	4GBJ 6AG	4GBJ 6BG	4GBJ 6DG	4GBJ 6G	4GBJ 6JG	4GBJ 6KG	4GBJ 6MG	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 Current @ T _c =100°C (without heatsink)	I _(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	150							A
Maximum Forward Voltage at 3.0A DC	V _F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ T _J =25°C	I _R	10.0							μA
		500							
I ² t Rating for Fusing (t<8.3ms)	I ² t	120							A ² s
Typical Junction Capacitance Per Element (Note1)	C _J	55							pF
Typical Thermal Resistance	R _{θJC}	1.8							°C/W
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Device mounted on 75mm*75mm*1.6mm Cu plate heatsink.

FIG.1-FORWARD CURRENT DERATING CURVE

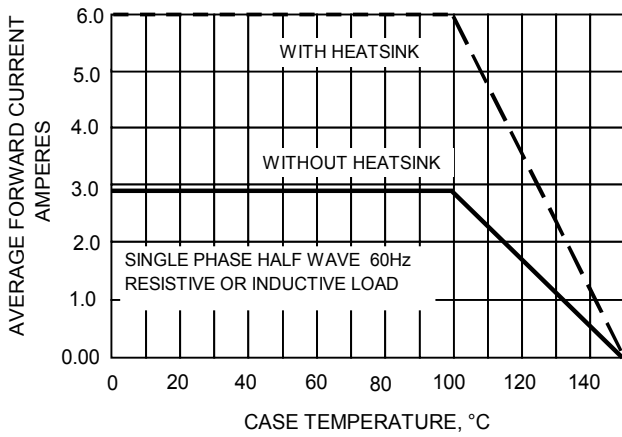


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

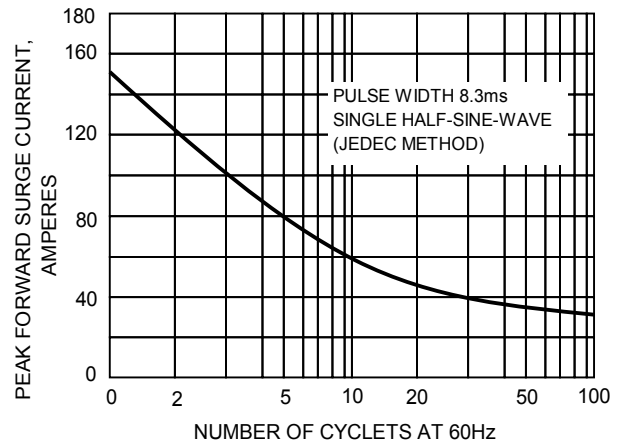


FIG.3-TYPICAL JUNCTION CAPACITANCE

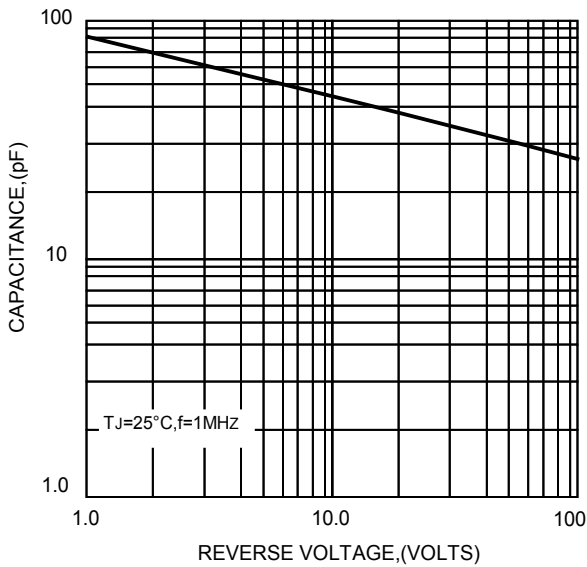


FIG.4-TYPICAL FORWARD CHARACTERISTICS

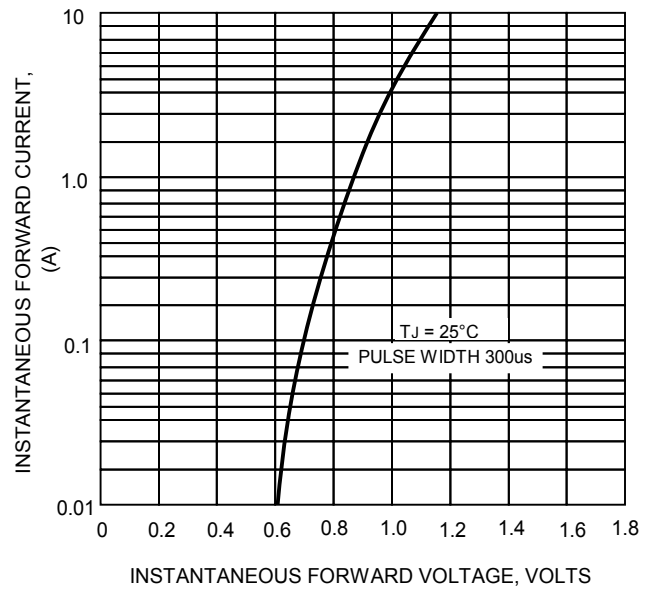


FIG.5-TYPICAL REVERSE CHARACTERISTICS

