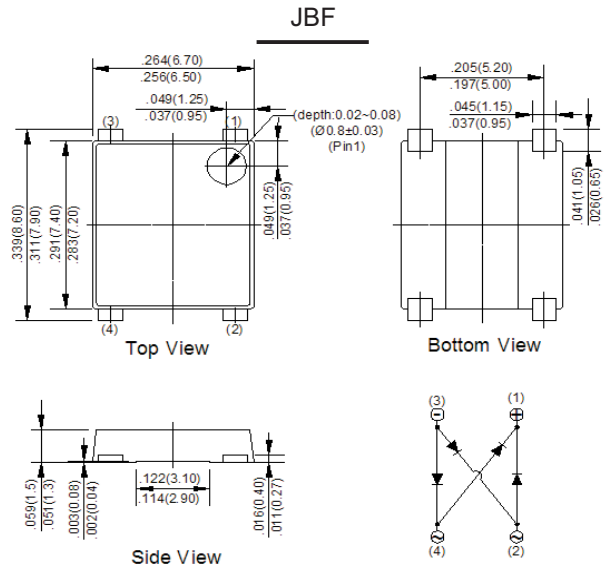


## FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- High surge forward current capability
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/EU

## APPLICATIONS

- Case: JBF molded plastic body
- Terminals: Plated leads solderable per MIL-STD-202, method 208
- Mounting Position: Any



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%.)

	Symbols	JBF 410				Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	1000				Volts
Maximum RMS Voltage	V <sub>RMS</sub>	700				Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	1000				Volts
Maximum Average Forward Rectified Current	I <sub>(AV)</sub>	4.0				Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	120				Amps
Rating for fusing (t<8.3ms)	I <sup>2</sup> t	59.76				A <sup>2</sup> s
Forward Voltage	V <sub>F</sub>	TYP.	0.90	MAX.	0.95	Volts
		TYP.	0.95	MAX.	1.0	
Reverse Current	I <sub>R</sub>	@TA=25°C TYP.	0.5	MAX.	5	μA
		@TA=125°C TYP.	20	MAX.	50	
Typical thermal resistance	R <sub>θJC</sub>	10				°C/W
Operating temperature range	T <sub>J</sub>	-55 to +150				°C
Storage temperature range	T <sub>STG</sub>	-55 to +150				°C

# RATINGS AND CHARACTERISTIC CURVES JBF410

FIG.1-MAXIMUM FORWARD SURGE CURRENT

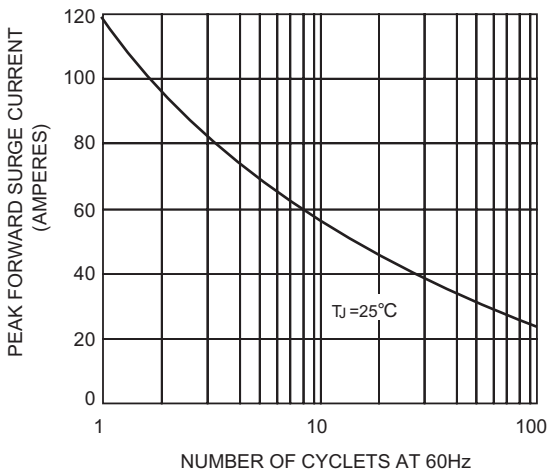


FIG.2-FORWARD CURRENT DERATING CURVE

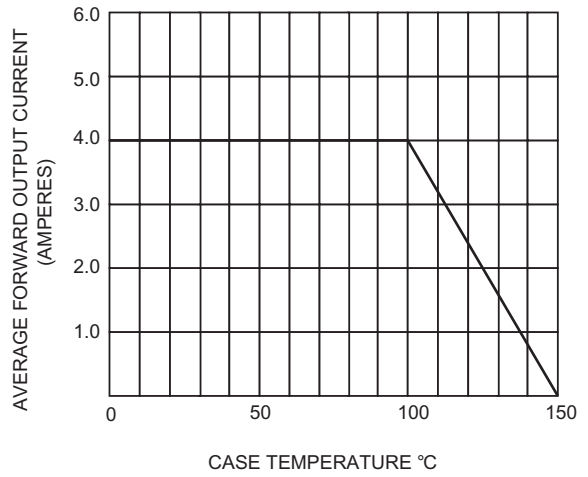


FIG.3-TYPICAL FORWARD CHARACTERISTICS

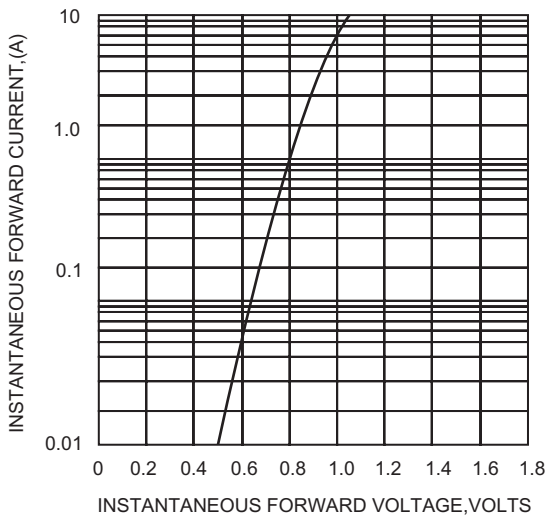


FIG.4 -TYPICAL REVERSE CHARACTERISTICS

