

SSF2JGS

ULTRAFAST EFFICIENT GLASS PASSIVATED RECTIFIER

VOLTAGE: 600V

CURRENT: 2.0A



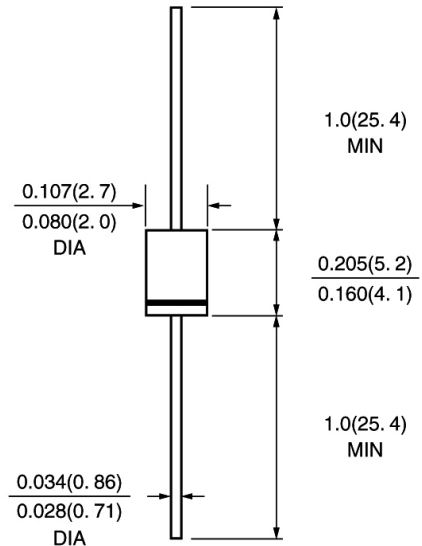
FEATURE

- Low power loss
- High surge capability
- Ultra-fast recovery time for high efficiency
- Glass passivated chip junction
- High temperature soldering guaranteed
- 250°C/10sec/0.375"lead length at 5 lbs tension

MECHANICAL DATA

- Terminal:Plated axial leads solderable per MIL-STD 202E, method 208C
- Case:Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
- Polarity:color band denotes cathode
- Mounting position:any

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Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	SSF2JGS	units
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 Current 3/8"lead length at Ta =55°C	I _{f(av)}	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	60.0	A
Maximum Forward Voltage at Forward current 2A Peak	V _f	1.70	V
Maximum DC Reverse Current at rated DC blocking voltage	I _r	10.0 100.0	μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	35	nS
Typical Junction Capacitance (Note 2)	C _j	65	pF
Storage and Operating Junction Temperature	T _{stg} ,T _j	-55 to +150	°C

Note:

- Reverse Recovery Condition I_f =0.5A, I_r =1.0A, I_{rr} =0.25A
- Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

RATINGS AND CHARACTERISTIC CURVES SSF2JGS

FIG.1- MAXIMUM AVERAGE FORWARD CURRENT DERATING

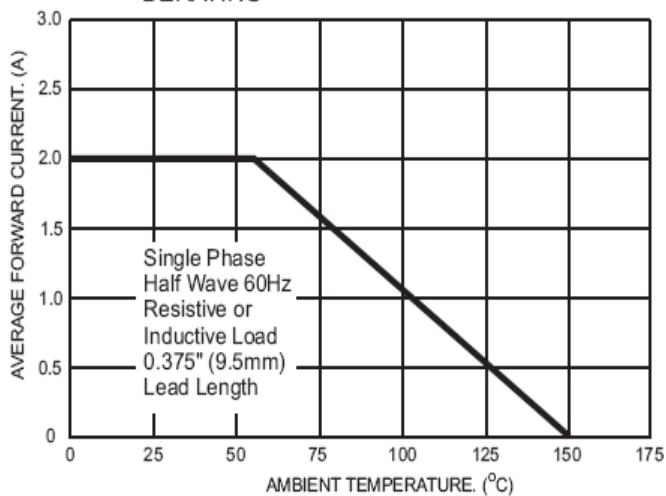


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

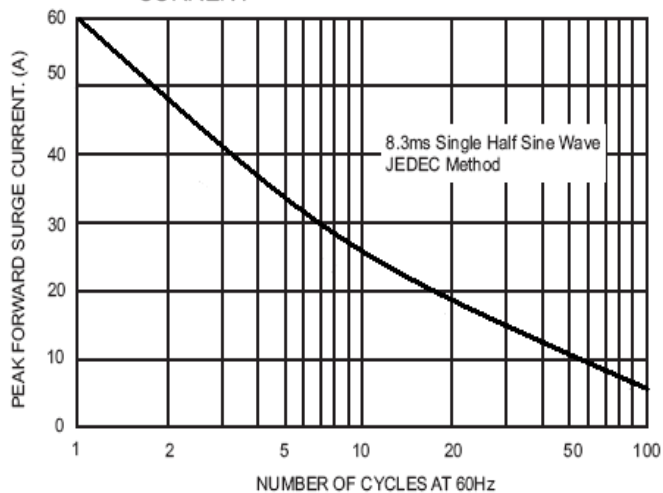


FIG.3- TYPICAL FORWARD CHARACTERISTICS

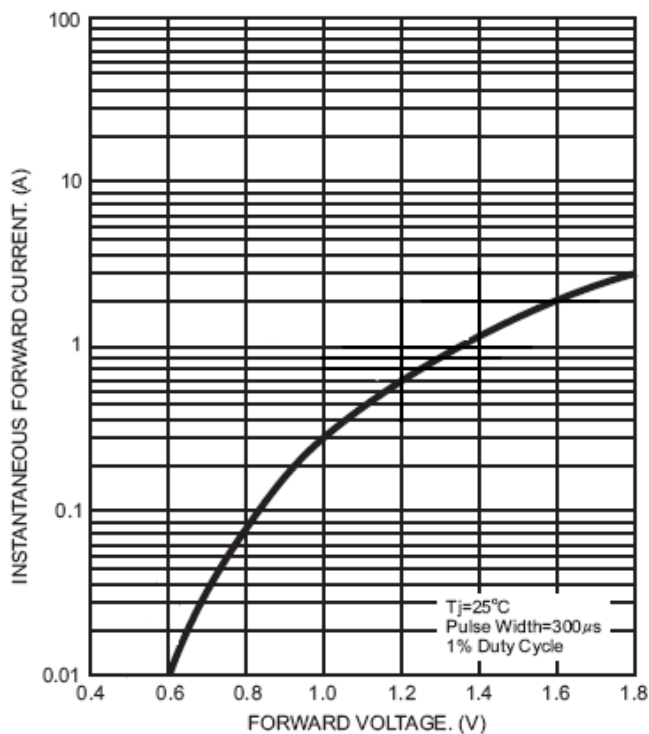


FIG.4- TYPICAL REVERSE CHARACTERISTICS

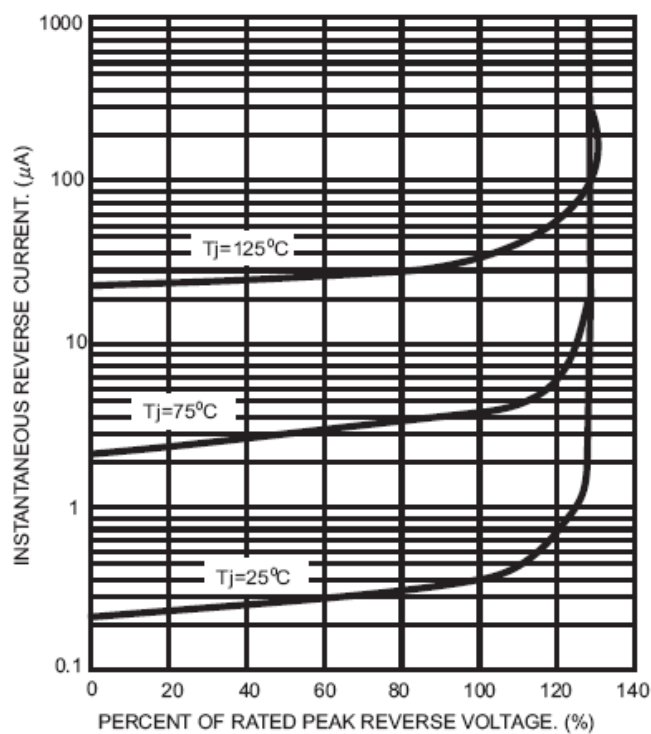


FIG.5- TYPICAL JUNCTION CAPACITANCE

