

# GE2A THRU GE2K

## SURFACE MOUNT FAST SWITCHING RECTIFIER

VOLTAGE: 50 TO 800V      CURRENT: 2.0A



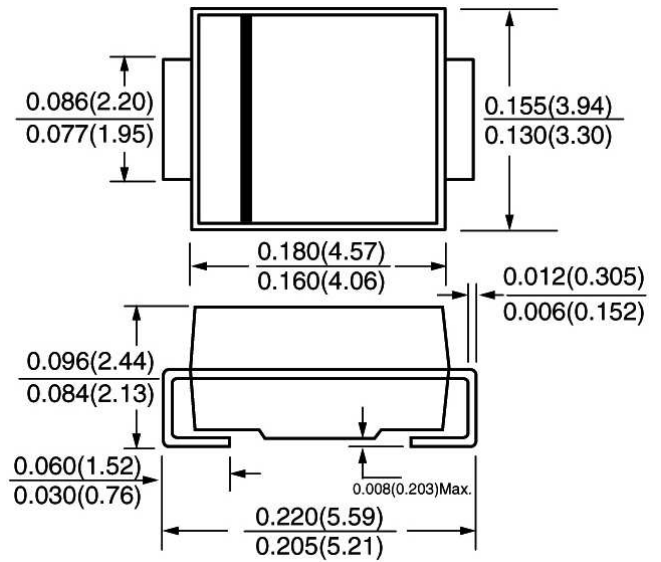
### FEATURE

- Ideal for surface mount pick and place application
- Low profile package
- Built-in strain relief
- High surge capability
- High temperature soldering guaranteed
- 260°C/10sec/at terminals
- Glass passivated chip
- Fast recovery time for high efficiency

### 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

### SMB / DO-214AA



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOL	GE2A	GE2B	GE2D	GE2G	GE2J	GE2K	units
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	50	100	200	400	600	800	V
Maximum RMS Voltage	V <sub>rms</sub>	35	70	140	280	420	560	V
Maximum DC blocking Voltage	V <sub>dc</sub>	50	100	200	400	600	800	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	I <sub>f(av)</sub>	2.0						A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	60.0						A
Maximum Forward Voltage at Forward current 2A Peak	V <sub>f</sub>	0.95		1.25		1.70		V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I <sub>r</sub>	10.0 100.0						μA μA
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	30		30		35		nS
Typical Junction Capacitance (Note 2)	C <sub>j</sub>	65						pF
Storage and Operating Junction Temperature	T <sub>stg, Tj</sub>	-55 to +150						°C

Note:

- Reverse Recovery Condition I<sub>f</sub> =0.5A, I<sub>r</sub> =1.0A, I<sub>rr</sub> =0.25A Measured at 1.0 MHz and applied reverse voltage of 4.0V<sub>dc</sub>

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**RATINGS AND CHARACTERISTIC CURVES GE2A THRU GE2K**

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