

GS2A THRU GS2M

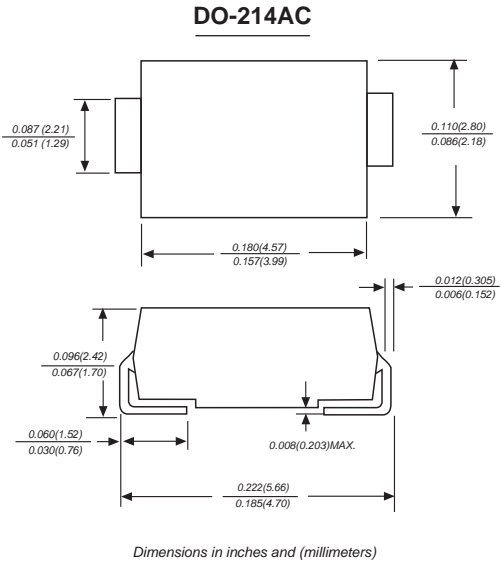
SURFACE MOUNT GLASS PASSIVATED RECTIFIER VOLTAGE: 50 TO 1000V CURRENT: 2.0A

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

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
Weight :0.058 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	GS 2A	GS 2B	GS 2D	GS 2G	GS 2J	GS 2K	GS 2M	units
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	I _{f(av)}	2.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	50.0							A
Maximum Forward Voltage at rated Forward current	V _f	1.1							V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I _r	5.0 200.0							μ A μ A
Typical Junction Capacitance (Note 1)	C _j	30.0							pF
Typical Thermal Resistance (Note 2)	R(jl)	16.0							°C/W
Storage and Operating Temperature	T _{stg}	-50 to +150							°C

Note:

1. Measured at 1.0 MHZ and applied voltage of 4.0Vdc
2. Thermal Resistance from Junction to terminal mounted on 5×5mm copper pad area

RATINGS AND CHARACTERISTIC CURVES GS2A THRU GS2M

