GR2A THRU GR2M

SURFACE MOUNT FAST SWITCHING 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 Glass passivated chip

MECHANICAL DATA

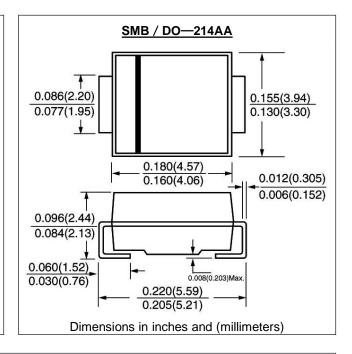
Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

Case: Molded with UL-94 class V-0 recognized Flame

Retardant Epoxy

Polarity: color band denotes cathode

Fast recovery time for high efficiency



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%)

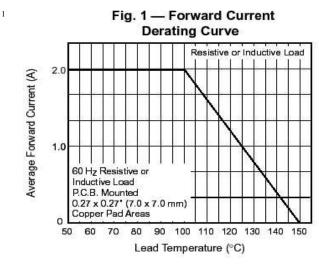
	SYMBOL	GR 2A	GR 2B	GR 2D	GR 2G	GR 2J	GR 2K	GR 2M	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified at T _L =100 °C	If(av)	2.0							Α
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load	Ifsm	50.0							Α
Maximum Instantaneous Forward Voltage at rated forward current	Vf	1.3							V
Maximum DC Reverse Current Ta =25 ℃	lr 5.0							μА	
at rated DC blocking voltage Ta =125℃	200.0								μА
Maximum Reverse Recovery Time (Note1)	Trr	150			250	500		nS	
Typical Junction Capacitance (Note 2)	Cj	50.0							pF
Typical Thermal Resistance (Note 3)	R(jl)	20.0							°C /W
Storage and Operating Junction Temperature	Tstg, Tj	-55 to +150							°C

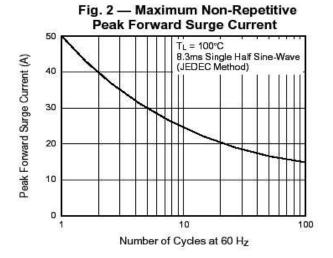
Note:

- 1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 3. Thermal Resistance from Junction to terminal mounted on 5×5mm copper pad area

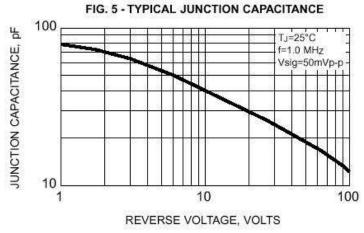
Rev.A5 www.gulfsemi.com

RATINGS AND CHARACTERISTIC CURVES GR2A THRU GR2M









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