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 ℃/10sec/at terminals Glass passivated chip

Fast recovery time for high efficiency

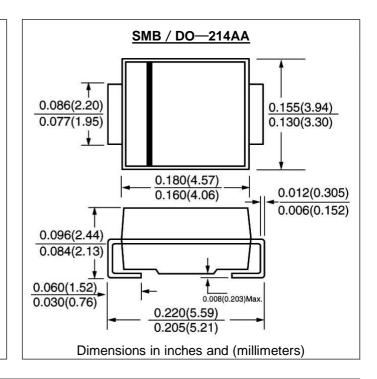
MECHANICAL DATA

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



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%)

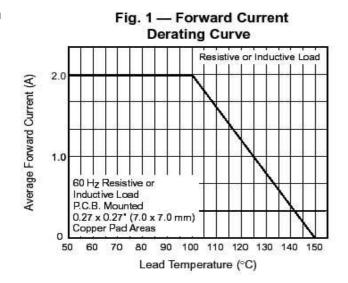
SYMBOL	GR 2A	GR 2B	GR 2D	GR 2G	GR 21	GR 2K	GR 2M	units
						211	ZIVI	
Vrrm	50	100	200	400	600	800	1000	V
Vrms	35	70	140	280	420	560	700	V
Vdc	50	100	200	400	600	800	1000	V
If(av)	2.0							Α
Ifsm	50.0							А
Vf	1.3							V
Ir 5.0 200.0							μА	
							μА	
Trr	150			250	500		nS	
Cj	50.0						pF	
R(jl)	20.0							°C /W
Tstg, Tj	-55 to +150							$^{\circ}$
	Vrrm Vrms Vdc If(av) Ifsm Vf Ir Cj R(jl)	SYMBOL 2A Vrrm 50 Vrms 35 Vdc 50 If(av) Ifsm Vf Ir Trr Cj R(jl) R(jl)	SYMBOL 2A 2B Vrrm 50 100 Vrms 35 70 Vdc 50 100 If(av) Ifsm Vf Ir 15 Trr 15 Cj R(jl)	SYMBOL 2A 2B 2D Vrrm 50 100 200 Vrms 35 70 140 Vdc 50 100 200 If(av) Ifsm Vf Ir Trr 150 Cj R(jl) Tr Tr	SYMBOL 2A 2B 2D 2G Vrrm 50 100 200 400 Vrms 35 70 140 280 Vdc 50 100 200 400 If(av) 2.0 Ifsm 50.0 Vf 1.3 Ir 5.0 200.0 Trr 150 Cj 50.0 R(jl) 20.0	SYMBOL 2A 2B 2D 2G 2J Vrrm 50 100 200 400 600 Vrms 35 70 140 280 420 Vdc 50 100 200 400 600 If(av) 2.0 Ifsm 50.0 Vf 1.3 Ir 50.0 200.0 Trr 150 250 Cj 50.0 R(jl) 20.0	SYMBOL 2A 2B 2D 2G 2J 2K Vrrm 50 100 200 400 600 800 Vrms 35 70 140 280 420 560 Vdc 50 100 200 400 600 800 If(av) 2.0 Ifsm 50.0 200.0 200.0 50.0 Trr 150 250 50.0 R(jl) 20.0 20.0	SYMBOL 2A 2B 2D 2G 2J 2K 2M Vrrm 50 100 200 400 600 800 1000 Vrms 35 70 140 280 420 560 700 Vdc 50 100 200 400 600 800 1000 If(av) 2.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 600 800 1000 50.0 50.0 50.0 600 800 1000 800 1000

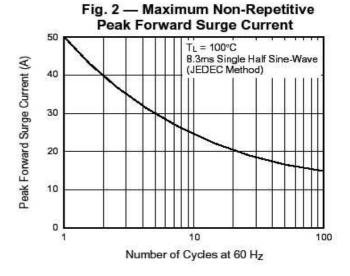
Note:

- 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

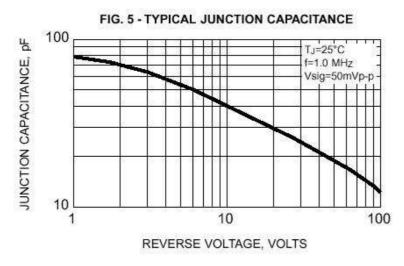
Rev.A5 www.gulfsemi.com

RATINGS AND CHARACTERISTIC CURVES GR2A THRU GR2M









¹ Rev.A5 www.gulfsemi.com