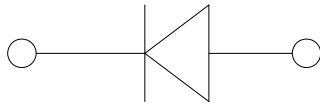


Low profile package
Ideal for automated placement
Glass passivated chip junction
High forward surge capability
Fast reverse recovery time
Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

For use in fast switching rectification of power supplies, inverters, converters, and freewheeling diodes for consumer and telecommunication.



: DO-214AC (SMA)

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

Cathode line denotes the cathode end

($T_a=25$ Unless otherwise specified)

Device marking code			GR2AA	GR2BA	GR2DA	GR2GA	GR2JA	GR2KA	GR2MA
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700

Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	I_{FSM}	A	50						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			100						
Current squared time @1ms t 8.3ms $T_j=25$	I^2t	A^2s	10.375						
Storage temperature	T_{stg}		-55 ~ +150						
Junction temperature	T_j		-55 ~ +150						

$T_a=25$ Unless otherwise specified

Maximum instantaneous forward voltage	V_F	V	$I_{FM}=2.0A$	1.3					
Maximum reverse recovery time	t_r	ns	$I_F=0.5A, I_R=1.0A, I_{RM}=0.25A$	150			250		500
Maximum DC reverse current at rated DC blocking voltage	IR	μA	$T_j=25$	5					
			$T_j=125$	100					
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	18			11		

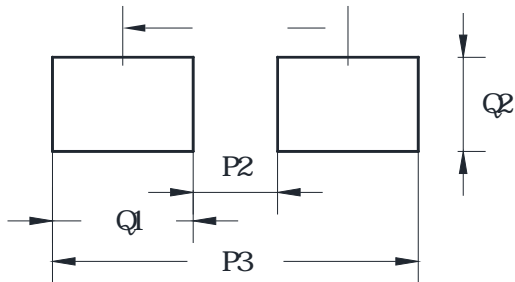


$T_a=25$ Unless otherwise specified

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Dim	Min	Max
A	1.25	1.58
B	2.40	2.83
C	4.00	4.75
D	1.90	2.30
E	4.93	5.28
F	0.76	1.41
G	0.05	0.20
H	0.15	0.31
I	1.70	2.10



Dim	Millimeters
P1	4.00
P2	1.50
P3	6.50
Q1	2.50
Q2	1.70



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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