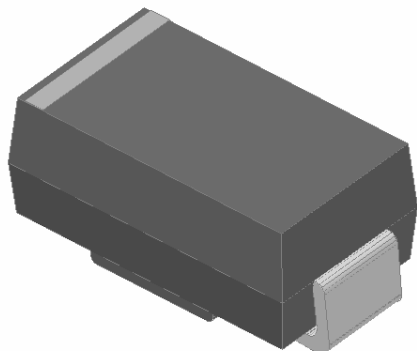


For use in general purpose rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, automotive, and telecommunication.

- : 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			GS2YA
Maximum Repetitive Peak Reverse Voltage	VRRM	V	1600
Maximum RMS Voltage	VRMS	V	1120
Maximum DC blocking Voltage	VDC	V	1600
Average rectified output current @60Hz sine wave, Resistance load, TL (FIG.1)	I_o	A	2
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	I_{FSM}	A	45
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			80

Current squared time

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$T_a=25$ Unless otherwise specified

Maximum instantaneous forward voltage	V_F	V	$I_{FM}=2.0A$	1.15
Maximum Reverse recovery time	t_{rr}	ns	$I_F=0.5A, I_R=125$	100

Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	9.5





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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	

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



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