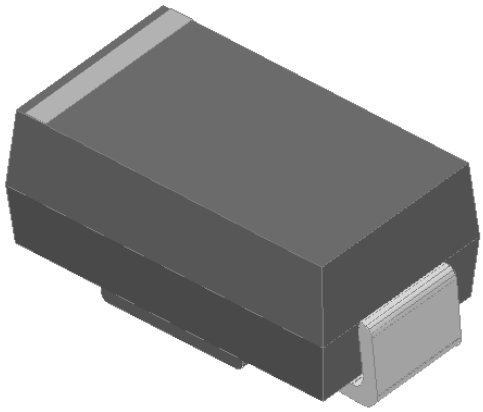
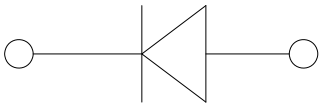
RoHS
COMPLIANT





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

For use in general purpose 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

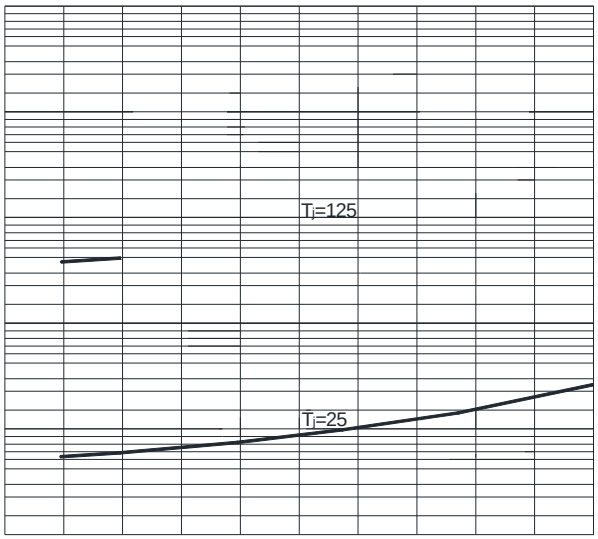
■ (T_a=25 Unless otherwise specified

Device marking code			GS1R
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	1300
Maximum RMS Voltage	V_{RMS}	V	910
Maximum DC blocking Voltage	V_{DC}	V	1300
Average rectified output current @60Hz sine wave, resistance load, TL (Fig.1)	I_O	A	1.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	30
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			60
Current squared time @1ms≤t≤8.3ms Tj=25	I^2t	A^2s	3.735
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}=1.0A	1.0
Maximum DC reverse current at rated DC blocking voltage	I_R	μA	T_j=25	5
			T_j=125	50
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	15

■ 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

The information presented in this document is for reference onl