



Micro Commercial Components



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GS1R-L

Features

- Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Extremely Low Thermal Resistance
High Temp Soldering: 260°C for 10 Seconds At Terminals
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Maximum Thermal Resistance; 15°C/W Junction To Lead

Table with 5 columns: MCC Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Row 1: GS1R-L, GS1R, 1300V, 910V, 1300V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current, and Typical Junction Capacitance.

*Pulse test: Pulse width 300 µsec, Duty cycle 2%
Note 1: High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

1.0 Amp Glass Passivated Rectifier 1300 Volts

DO-214AC (SMA) (LEAD FRAME)

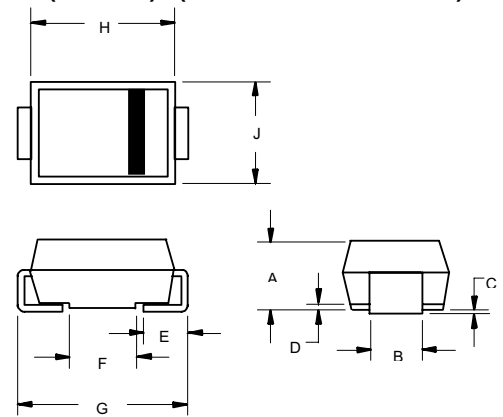
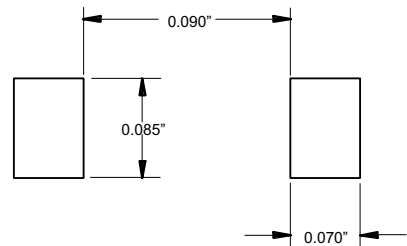


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Dimensions A through J are listed with their respective min and max values in inches and mm.

SUGGESTED SOLDER PAD LAYOUT



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Figure 1
Typical Forward Characteristics

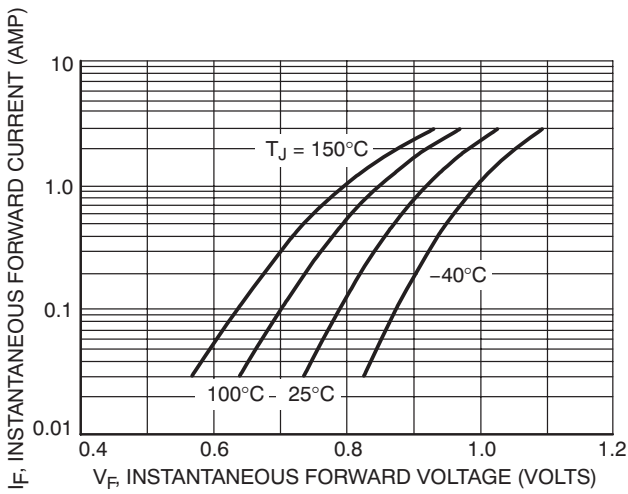
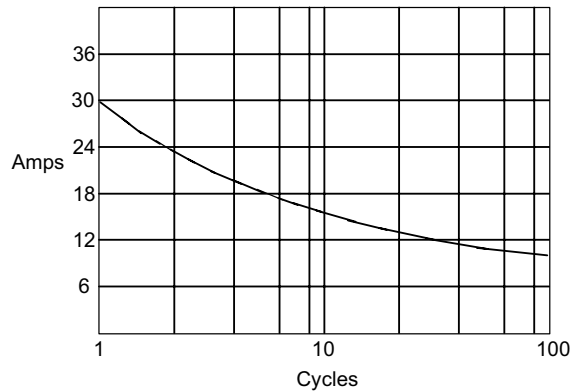
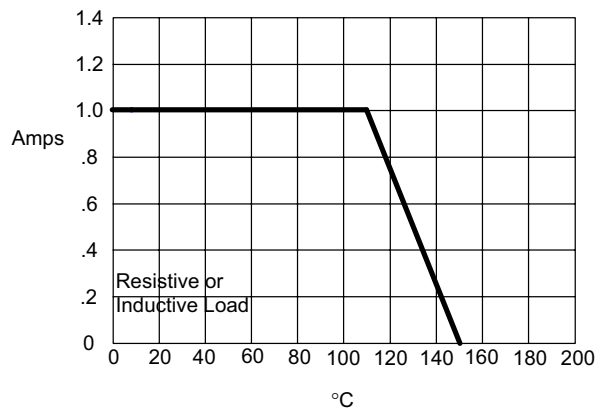


Figure 3
Maximum Overload Surge Current



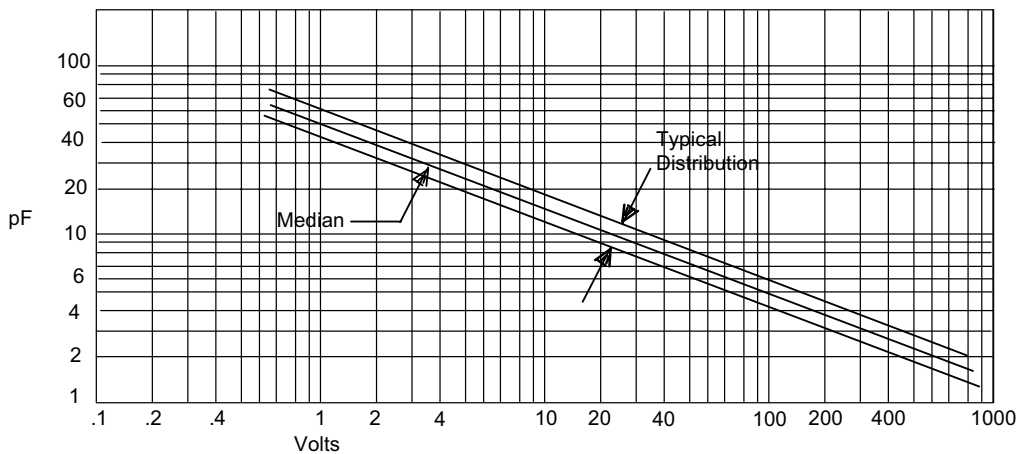
Peak Forward Current - Amperes versus
Number of Cycles at 60Hz

Figure 4
Forward Derating Curve



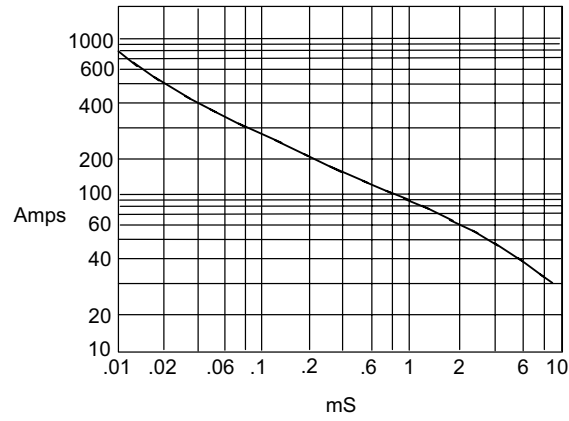
Average Forward Rectified Current - Amperes versus
Lead Temperature - °C

Figure 2
Junction Capacitance



Junction Capacitance - pF versus
Reverse Junction Potential (Applied V + 0.7 Volts) - Volts

Figure 5
Peak Forward Surge Current



Peak Forward Surge Current - Amperes versus
Pulse Duration - Milliseconds (mS)



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Ordering Information :

Device	Packing
GS1R-LTP	Tape&Reel: 7.5Kpcs/Reel

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