



Micro Commercial Components



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GS2AFL
THRU
GS2MFL

Features

- Halogen free available upon request by adding suffix "-HF"
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; 13°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. Rows include GS2AFL, GS2BFL, GS2DFL, GS2GFL, GS2JFL, GS2KFL, GS2MFL.

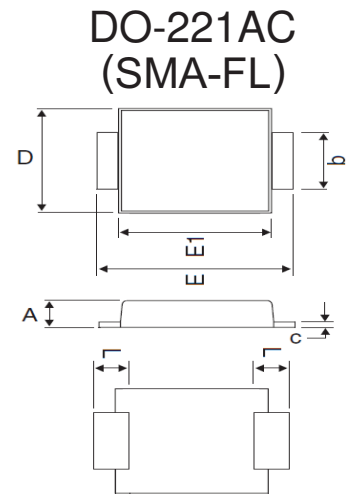
Electrical Characteristics @ 25°C Unless Otherwise Specified

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

*Pulse test: Pulse width 300 µsec, Duty cycle 2%

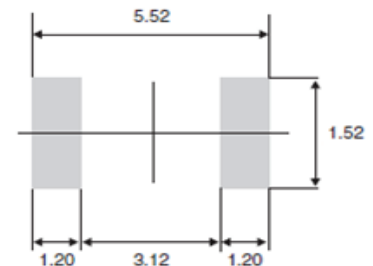
Note 1: High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

2.0 Amp Glass
Passivated Rectifier
50 to 1000 Volts



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, b, C, D, E, E1, L.

SUGGESTED SOLDER PAD LAYOUT



GS2AFL thru GS2MFL

Figure 1
Typical Forward Characteristics

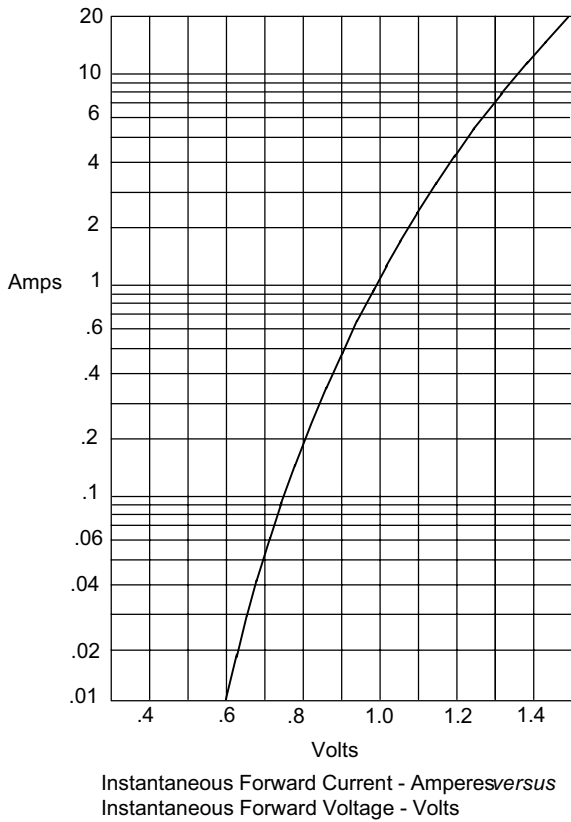


Figure 3
Maximum Overload Surge Current

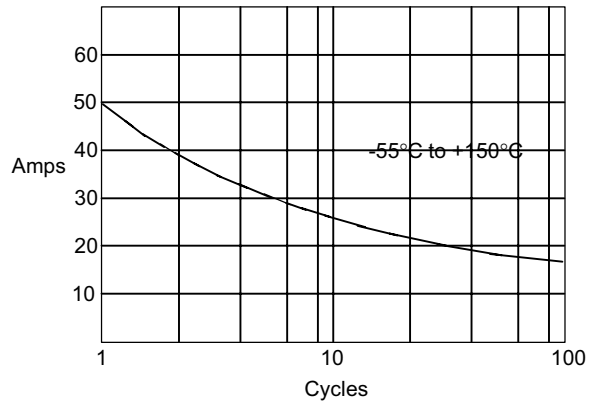


Figure 4
Forward Derating Curve

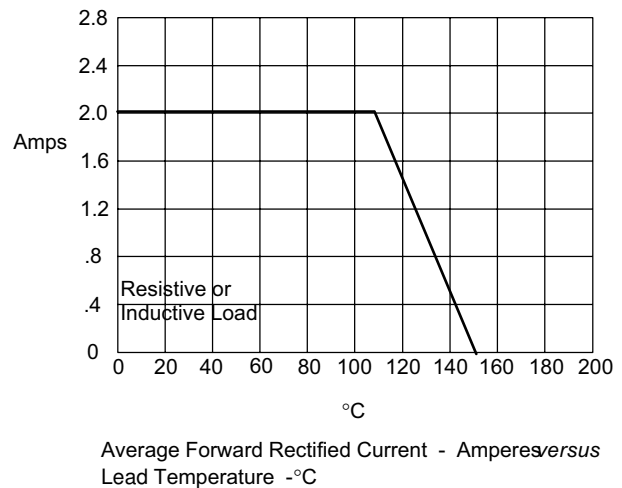
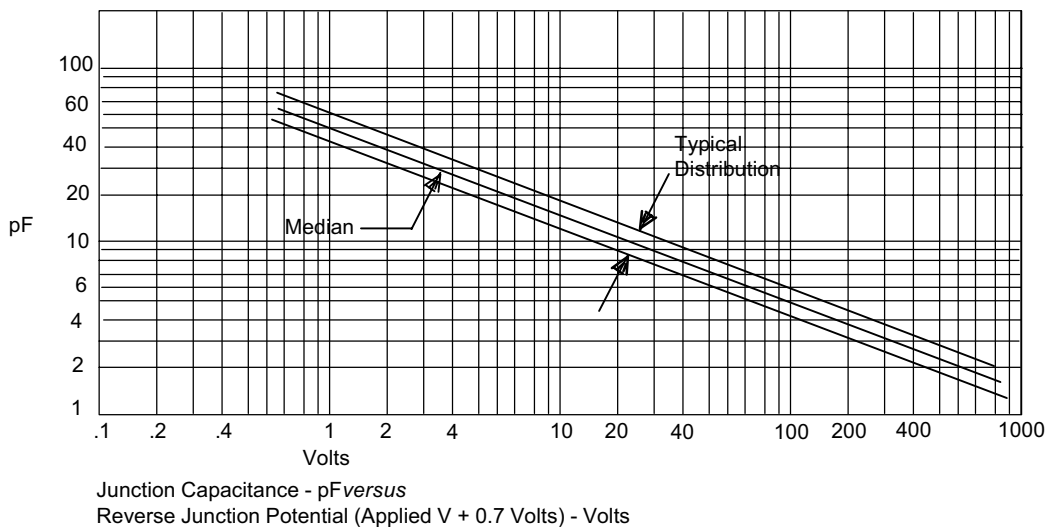


Figure 2
Junction Capacitance





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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