



Micro Commercial Components



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GS1A-TPS05
THRU
GS1M-TPS05

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
For Surface Mount Applications
Extremely Low Thermal Resistance
High Temp Soldering: 260°C for 10 Seconds At Terminals
Thermal Tape and Pre-flat Structure

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. Rows include GS1A-TPS05 through GS1M-TPS05.

Electrical Characteristics @ 25°C Unless Otherwise Specified

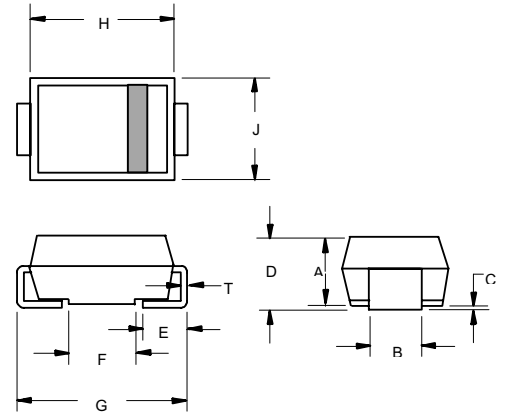
Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, Typical Junction Capacitance.

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

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

1.0 Amp
Silicon Rectifier
50 to 1000 Volts

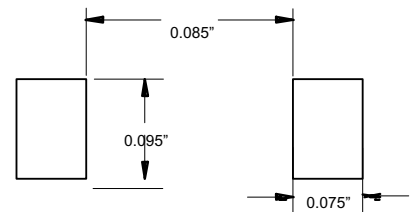
DO-214AC



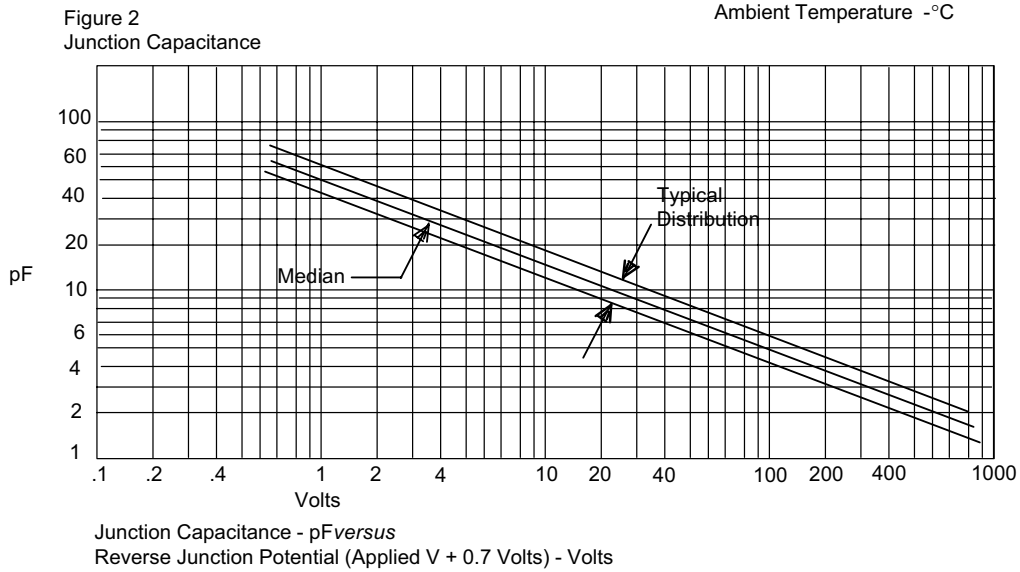
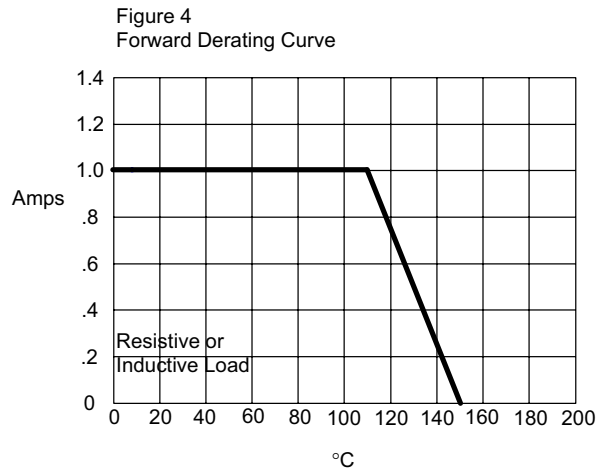
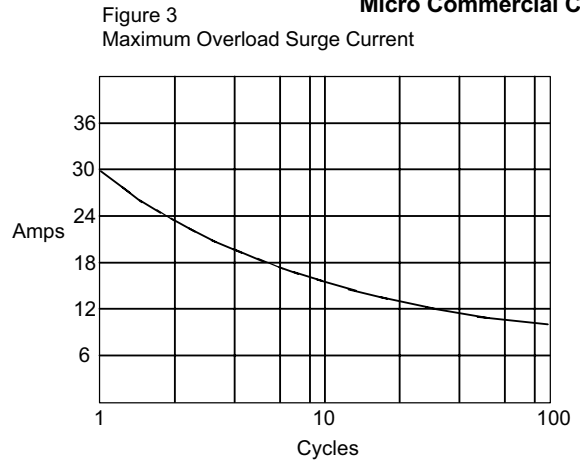
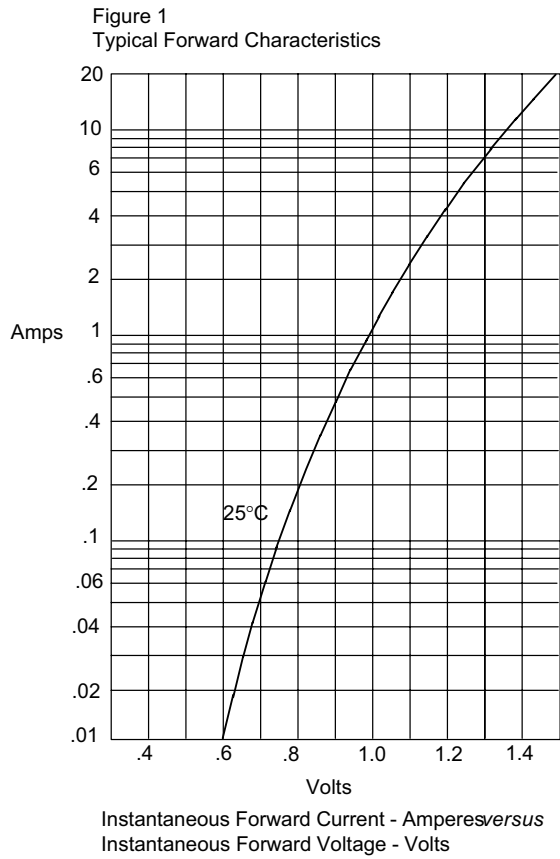
DIMENSIONS

Table with 5 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A through T.

SUGGESTED SOLDER



# GS1A-TPS05 thru GS1M-TPS05

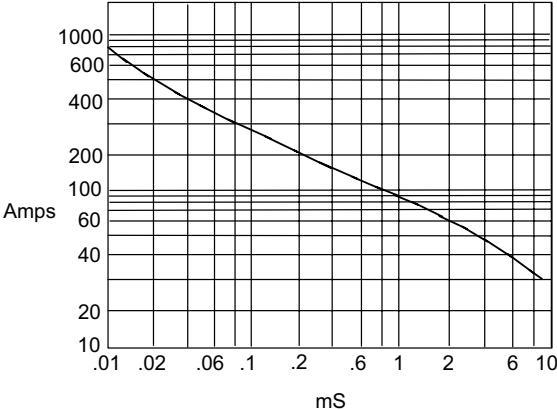


# GS1A-TPS05 thru GS1M-TPS05



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Figure 5  
Peak Forward Surge Current



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



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Ordering Information :

Device	Packing
GS1A-TPS05~GS1M-TPS05	Tape&Reel: 6Kpcs/Reel

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