

General Standard Diodes

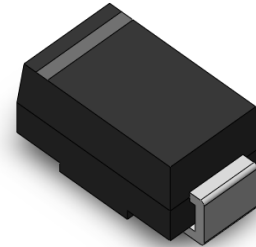
GS2A~GS2M

DO-214AC(SMA)

Features

- u Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- u Low Thermal Resistance
- u For Surface Mount Application
- u Epoxy meets UL 94 V-0 flammability rating
- u Moisture Sensitivity Level 1

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



DO-214AC(SMA)

Maximum Ratings and Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Operating Temperature: -55°C to $+150^\circ\text{C}$;

Storage Temperature: -55°C to $+150^\circ\text{C}$.

Items	Symbol	GS2A	GS2B	GS2D	GS2G	GS2J	GS2K	GS2M	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward current at $T_A=75^\circ\text{C}$	$I_{F(AV)}$	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50							A
Maximum Instantaneous Forward Voltage $I_{FM}=2.0A, T_A=25^\circ\text{C}$	V_F	1.1							V
Maximum DC Reverse Current At Rated DC Blocking Voltage , $T_J=25^\circ\text{C}$	I_R	10							μA
Typical Junction Capacitance, Measured at 1.0MHz, $V_R=4.0V$	C_J	20							pF

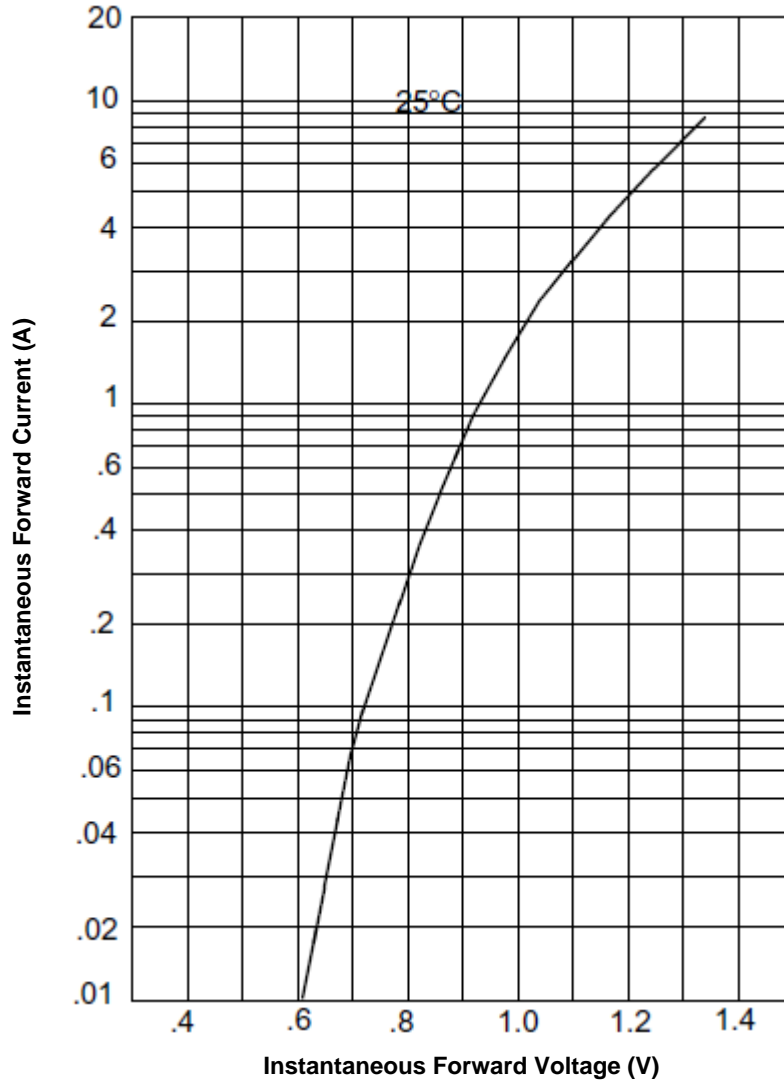
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Characteristic Curves

Fig1. Typical Forward Characteristics



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Characteristic Curves (Continue)

Fig2. Forward Derating Curve

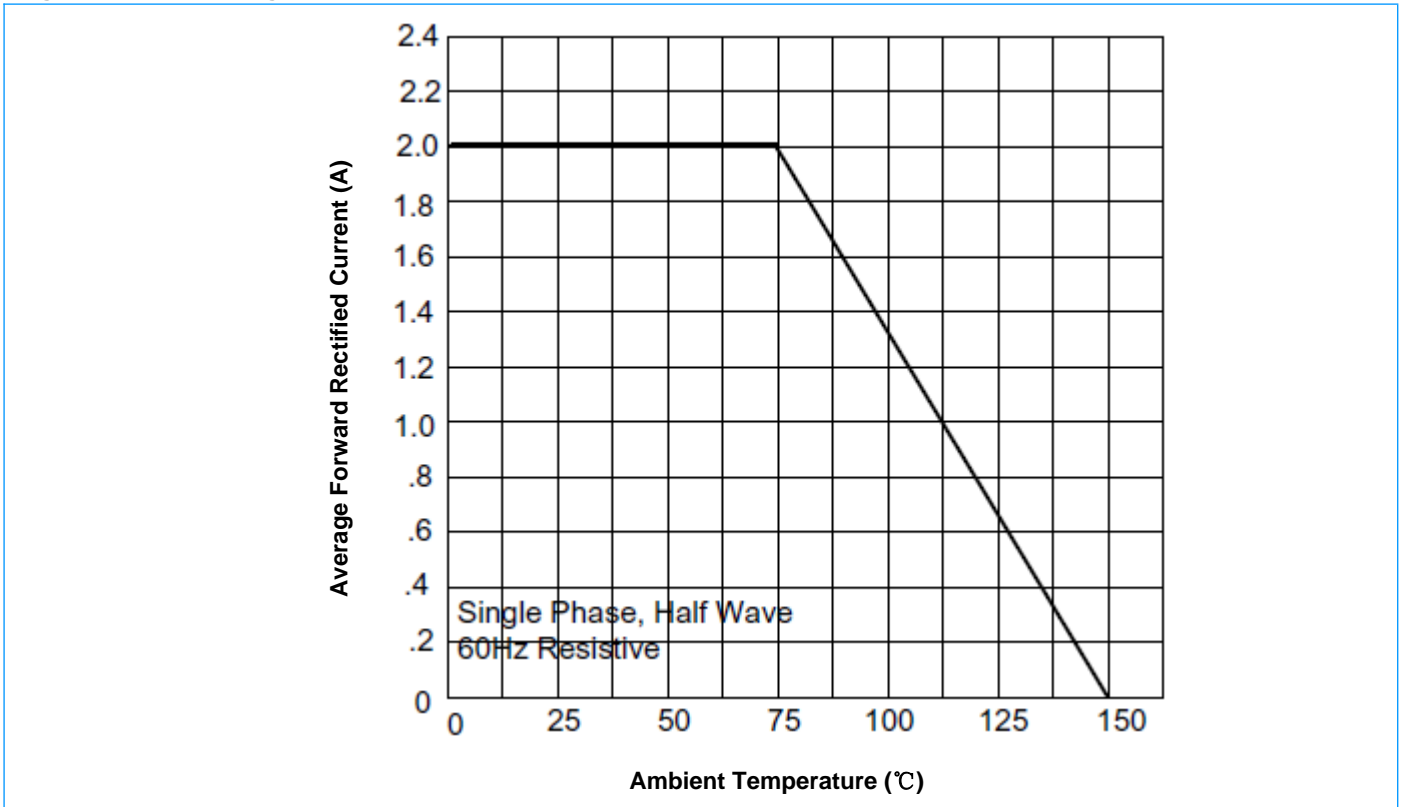
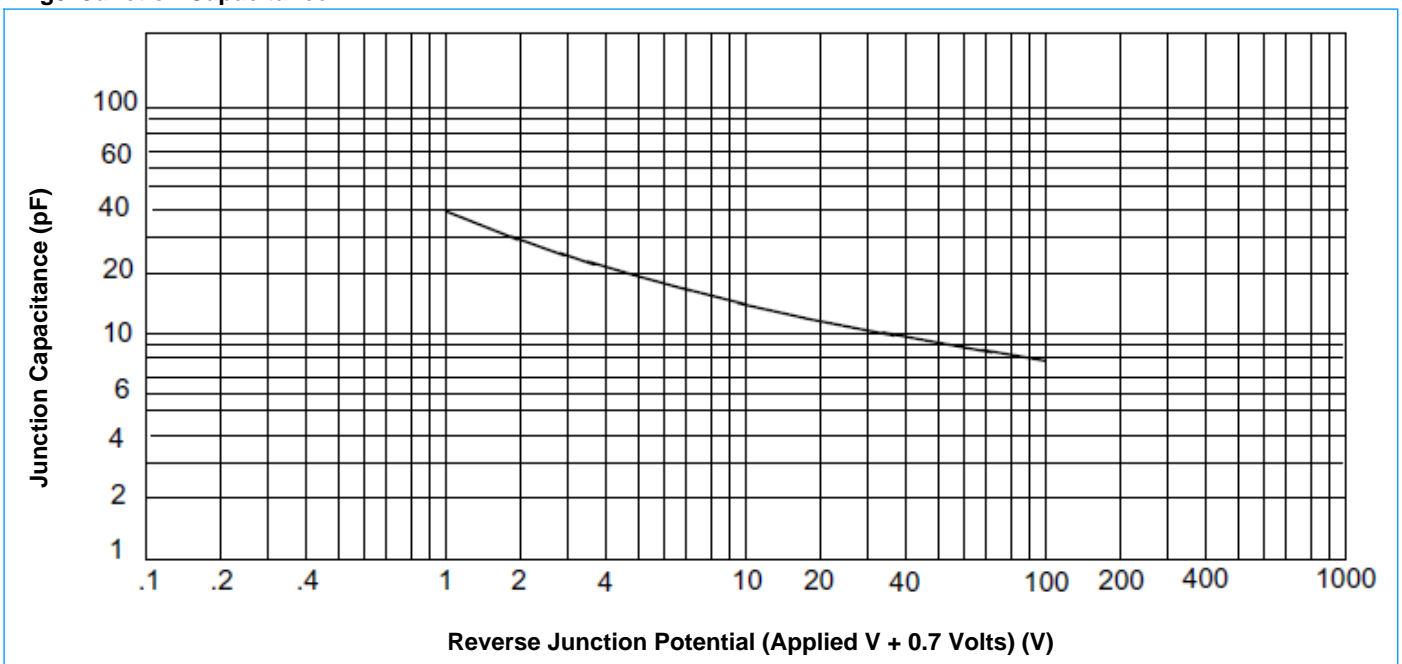


Fig3. Junction Capacitance



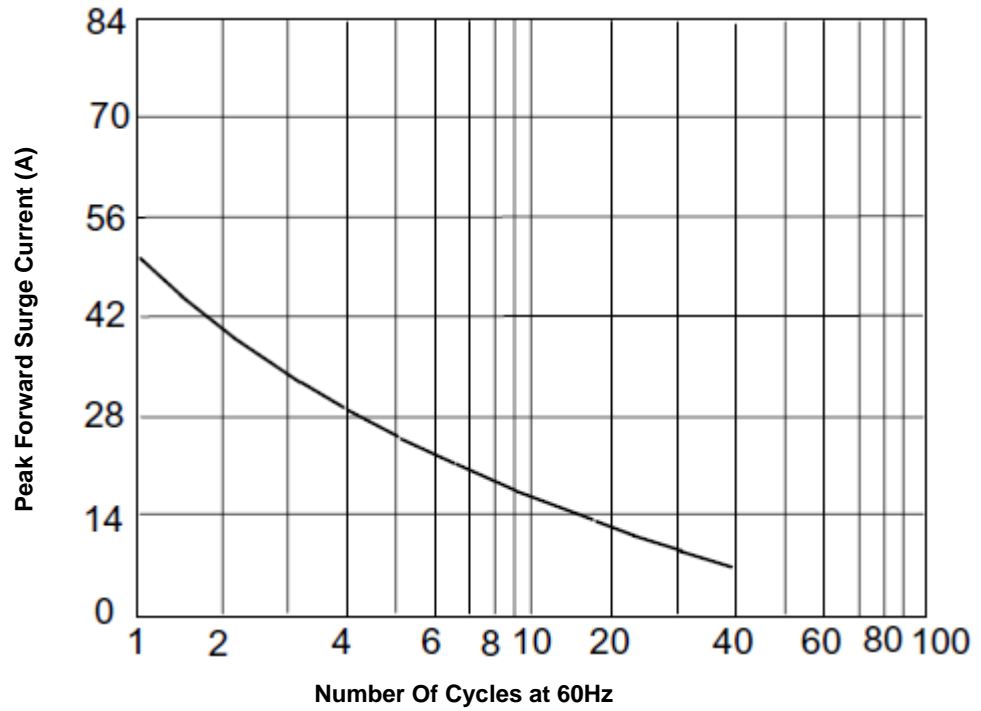
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Characteristic Curves (Continue)

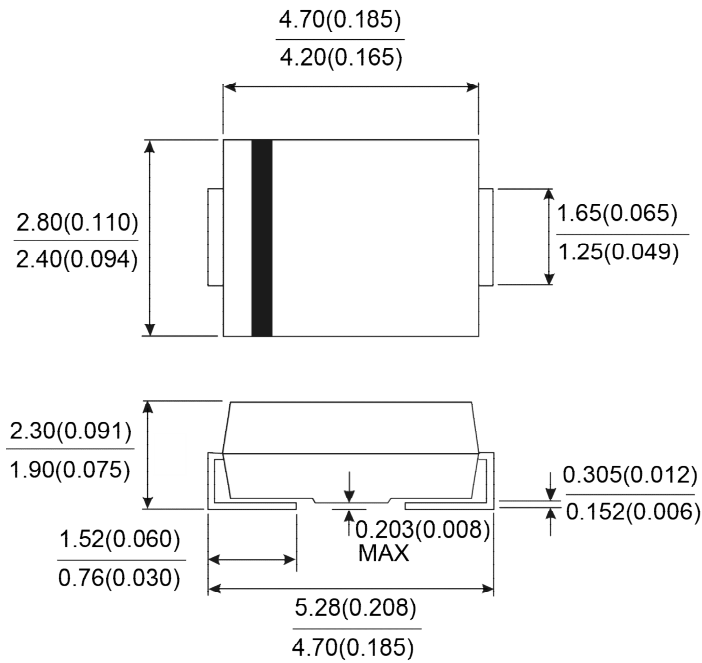
Fig4. Peak Forward Surge Current



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DO-214AC(SMA) Package Outline (Unit: mm(inch))



Packaging Information

Part Number	Component Package	Quantity
GS2A~GS2M	DO-214AC(SMA)	5000 PCS/REEL