GS2AA THRU GS2MA

DO-214AC (SMA)

SURFACE MOUNT GLASS PASSIVATED RECTIFIER

REVERSE VOLTAGE 50 to 1000 Volts **FORWARD CURRENT** 2.0 Ampere

FEATURES

Plastic package has underwrites laboratory flammability Classification 94V-0

For surface mounted applications

Low profile package

Built-in strain relief, ideal for automated placement

Glass passivated chip junction

High temperature soldering guaranteed

250°C/10 second at terminals

MECHANICAL DATA

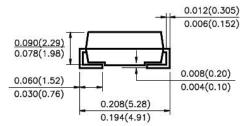
Case: JEDED DO-214AC molded plastic over glass passivated chip Terminals: Solder plated, solderable per MIL-STD-750, method 2026

Polarity: Color band denotes cathode end

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified, **MAXIMUM RATINGS & THERMAL CHARACTERISTICS**

0.110(2.79) 0.049(1.25) 0.100(2.54)0.177(4.50) 0.157(3.99)



Dimensions in inches and (millimeters)

SYMBOLS	GS2AA	GS2BA	GS2DA	GS2GA	GS2JA	GS2KA	GS2MA	UNIT
V _{RRM}	50	100	200	400	600	800	1000	VOLTS
V _{RMS}	35	70	140	280	420	560	700	VOLTS
V _{DC}	50	100	200	400	600	800	1000	VOLTS
I _{F(AV)}	2.0							Amps
İfsm	50							Amps
RөJA	53							
Rejl	16							
T _J ,TsTG	-55 to +150						$^{\circ}$	
	VRRM VRMS VDC IF(AV) IFSM Reja Rejl	VRRM 50 VRMS 35 VDC 50 IF(AV) IFSM Reja Rejl	VRRM 50 100 VRMS 35 70 VDC 50 100 IF(AV) IFSM Reja Rejl	V _{RRM} 50 100 200 V _{RMS} 35 70 140 V _{DC} 50 100 200 I _{F(AV)} I _{FSM} Reja Rejl	VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 IF(AV) 2.0 IFSM 50 Rejja 53 Rejja 16	VRRM 50 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 IF(AV) 2.0 Reja 53 Rejl 16	VRRM 50 100 200 400 600 800 VRMS 35 70 140 280 420 560 VDC 50 100 200 400 600 800 IF(AV) 2.0 RBJA 50 RBJA 53 RBJL 16	VRRM 50 100 200 400 600 800 1000 VRMS 35 70 140 280 420 560 700 VDC 50 100 200 400 600 800 1000 IF(AV) 2.0 2.0 50 100 800 1000 Rejja 53 16 16 16

ELECTRICAL CHARACTERISTICS

		SYMBOLS	GS2AA	GS2BA	GS2DA	GS2GA	GS2JA	GS2KA	GS2MA	UNIT
Maximum Instantaneous Forward Voltage at 1.5A		VF	1.10							Volts
Maximum DC Reverse Current at rated DC Blocking Voltage	T _A = 25℃	- I _R	5.0							uA
	T _A =125℃		200							
Typical Reverse Recovery Time at I _F = 0.5A, I _R = 1.0A, I _{RR} = 0.25A		T _{rr}	2.5							us
Typical junction capacitance at 4.0V, 1MHz		CJ	30						pF	

¹⁻ Thermal resistance from Junction to ambient and from junction to lead mounted on P.C.B.with 0.3×0.3" (8.0 × 8.0mm) copper pad areas.

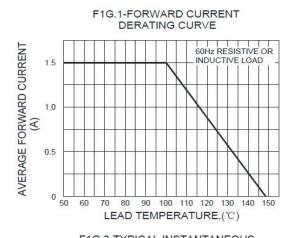
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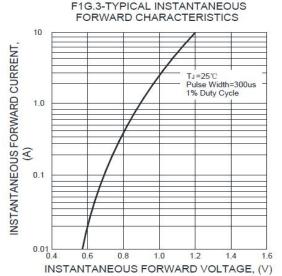
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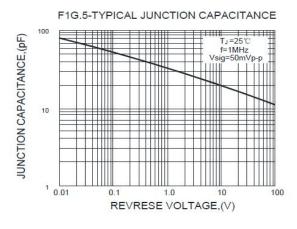
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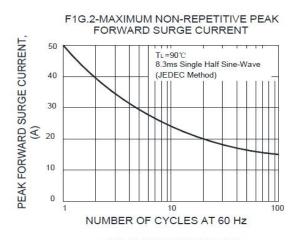
GS2AA THRU GS2MA

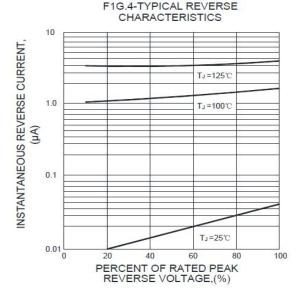
RATINGS AND CHARACTERISTIC CURVES











Note: Specifications are subject to change without notice.

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