



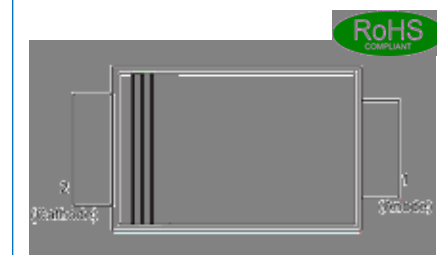
GS2AA~GS2MA

GENERAL PURPOSE RECTIFIER

Rev.1.2

DESCRIPTION

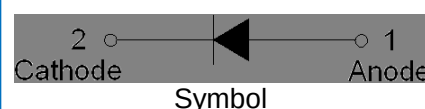
Plastic package has underwriters laboratories flammability classification 94V-0
For surface mounted applications in order to optimize board space
Glass passivated chip junction
Lead free in compliance with EU RoHS 2011/65/EU directive



DO-214AC(SMA)

MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic
Terminals: Solder plated, solderable per J-STD-002
Polarity: Color band denotes cathode end
Weight: 0.0673 gram



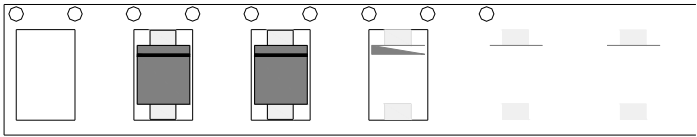
ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter		Symbol	GS2AA	GS2BA	GS2DA	GS2GA	GS2JA	GS2KA	GS2MA	Unit
Maximum repetitive 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 _L =110		I _{F(AV)}	2.0							A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load		I _{FSM}	60							A
Maximum forward voltage @ I _F =2.0A		V _F	1.1							V
Maximum DC reverse current at rated DC blocking voltage	T _j =25	I _R	5.0							μA
	T _j =150		200							
Typical junction capacitance V _R =4.0V, f=1MHz		C _J	15							pF
Operating junction and storage temperature range		T _j , T _{stg}	-55 to +150							



TAPE AND REEL SPECIFICATION-SMA



CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics (25 °C)

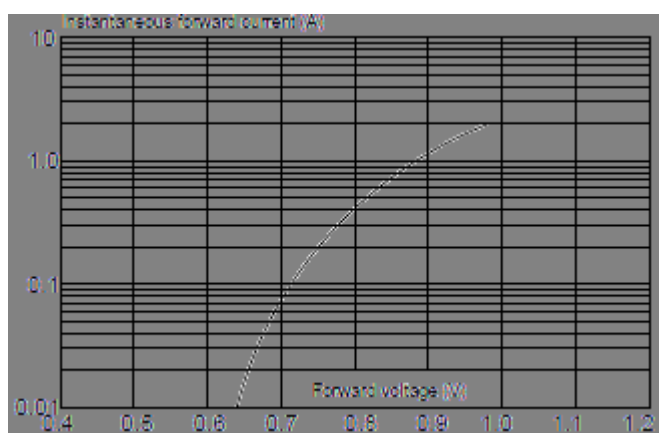


FIG.2: Typical reverse characteristics

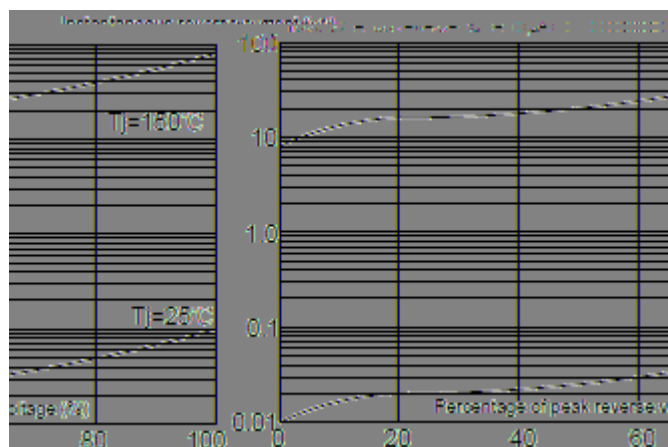


FIG.3: Maximum non-repetitive peak forward surge current

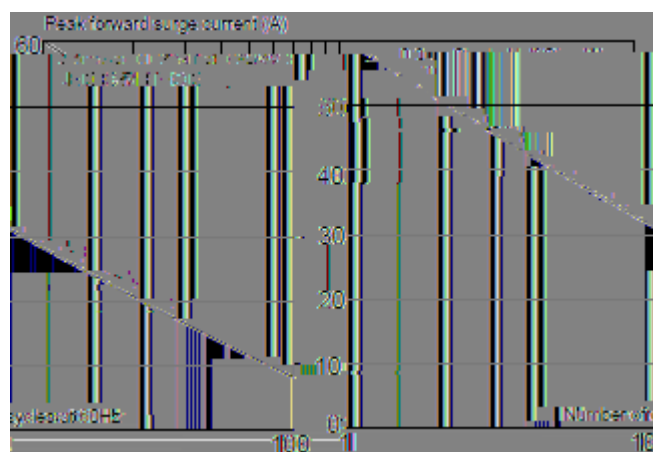
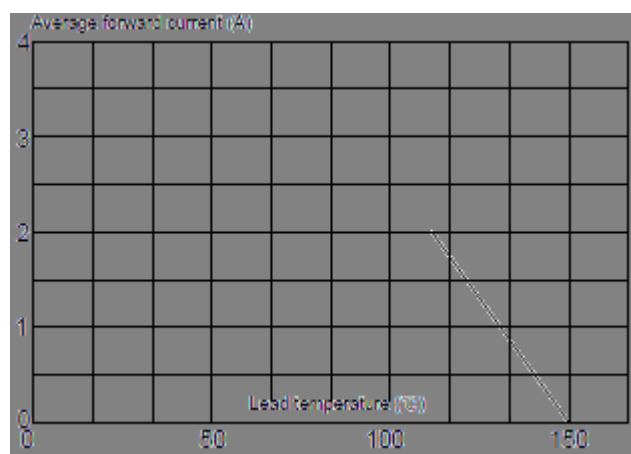


FIG.4: Forward current derating curve



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