



GS2A~GS2M

GENERAL PURPOSE RECTIFIER

Rev.2.3

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

MECHANICAL DATA

- ✧ Case: JEDEC DO-214AA molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002
- ✧ Polarity: Color band denotes cathode end
- ✧ Weight: 0.1 gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

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

Parameter	Symbol	GS2A	GS2B	GS2D	GS2G	GS2J	GS2K	GS2M	Unit
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THERMAL RESISTANCES

Symbol	Parameter	GS2A	GS2B	GS2D	GS2G	GS2J	GS2K	GS2M	Unit
$R_{th(j-L)}$	Junction to lead (note1)	20							/W

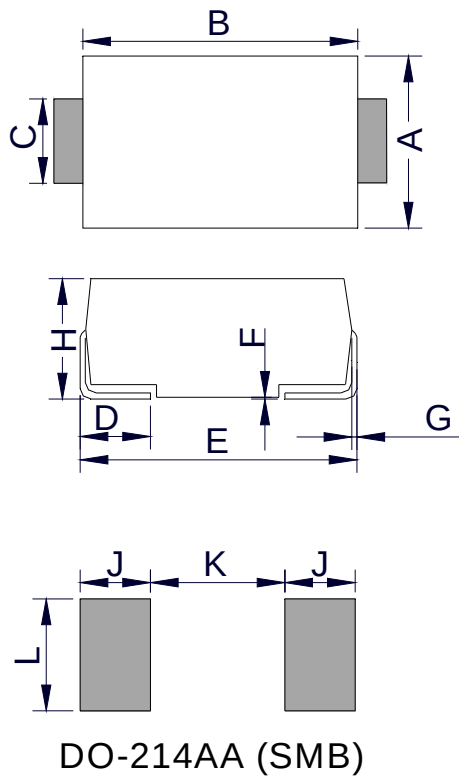
Note1 Thermal resistance from junction to lead mounted on P.C.B. with 4.0 mm x 4.0 mm copper pad areas.

MARKING



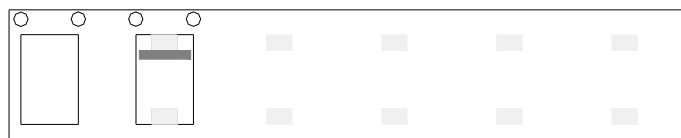
G	General Purpose Rectifier					
S	Surface mount					
2	I _{F(AV)} =2.0A					
M	V _{RRM} :1000V					
<u>x</u> H1 Month 1 2 3 9 A B C						
3 <u>x</u> 1						
2018	2019	2020	2021	2022	2023	2024
H	I	J	K	L	M	N
2025	2026	2027	2028	2029	2030	...
O	P	Q	R	S	T	...
3H <u>x</u> Batch number						

PACKAGE MECHANICAL DATA



Ref.	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.30	3.94	0.130	0.155
B	4.30	4.80	0.169	0.189
C	1.90	2.20	0.075	0.087
D	0.95	1.52	0.037	0.060
E	5.20	5.60	0.205	0.220
F	0.051	0.203	0.002	0.008
G	0.15	0.31	0.006	0.012
H	2.10	2.40	0.083	0.094
J	2.20		0.087	
K		2.60		0.102
L	2.30		0.091	

TAPE AND REEL SPECIFICATION-SMB



CHARACTERISTICS CURVE

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

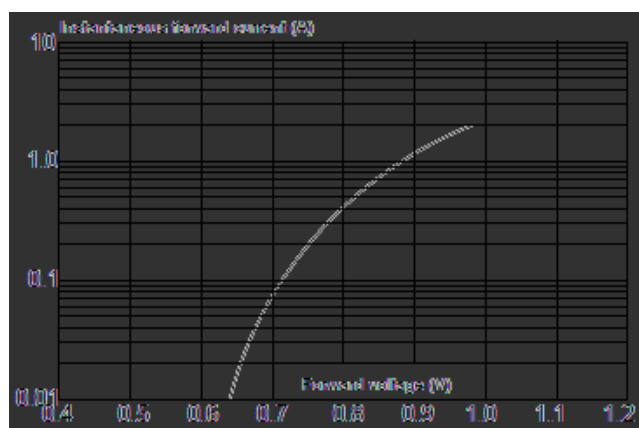


FIG.2: Typical reverse characteristics

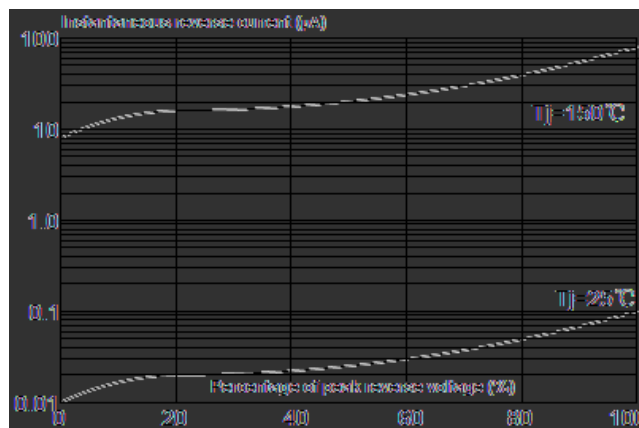


FIG.3: Maximum non-repetitive peak forward surge current

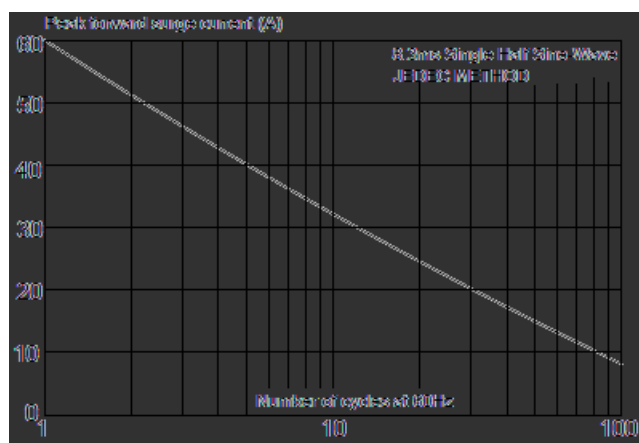
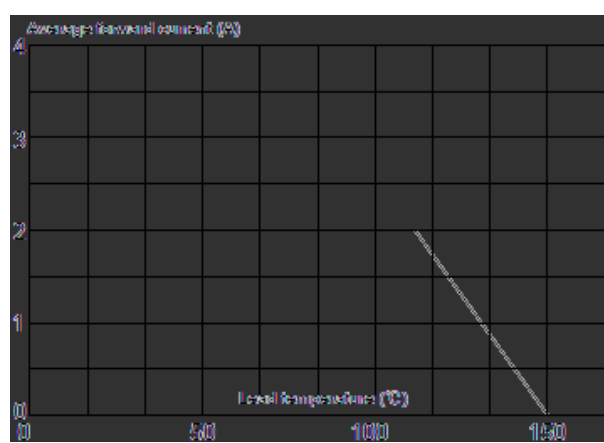


FIG.4: Forward current derating curve



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