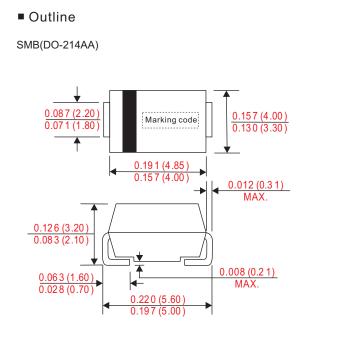
GS2A THRU GS2M

2A Surface Mount General Purpose Rectifiers

Features

- Low profile surface mounted application in order to optimize board space.
- High current capability.
- High surge capability.
- Glass passivated chip junction inside.
- $\bullet \ Suffix \ "G" \ indicates \ Halogen-free \ part, \ ex.GS2AG.$
- Lead-free parts meet environmental standards of MIL-STD-19500 /228



Mechanical data

- Epoxy:UL94-V0 rated flame retardant
- Case : Molded plastic, DO-214AA / SMB
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Indicated by cathode band
- Weight : 0.003 ounce, 0.091 gram

Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

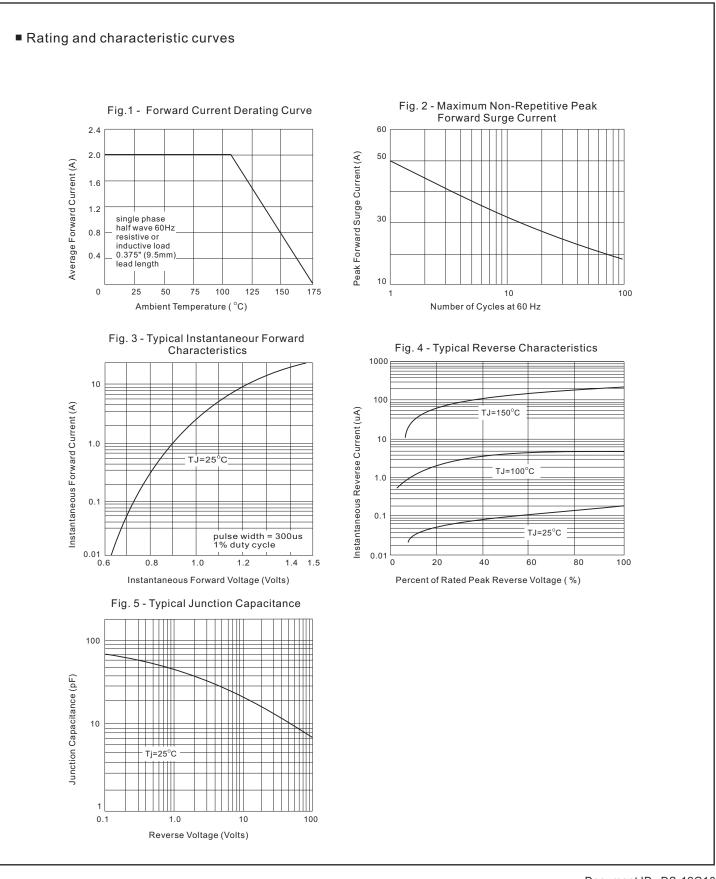
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current	at $T_{L} = 110^{\circ}C$	I _o			2.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			50	А
	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			100	
Thermal resistance	Junction to ambient	R _{eja}		50		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		30		pF
Storage temperature		T _{stg}	-55		+150	°C

Symbol	Marking code	Max. repetitive peak reverse voltage V _{RRM} (V)	Max. RMS voltage V _{RMS} (V)	Max. DC blocking voltage V _R (V)	Max. forward voltage @2.0A, T _A = 25°C V _F (V)	Operating temperature T _J (°C)
GS2A	GS2A	50	35	50		
GS2B	GS2B	100	70	100		
GS2D	GS2D	200	140	200		
GS2G	GS2G	400	280	400	1.10	-55 ~ +150
GS2J	GS2J	600	420	600		
GS2K	GS2K	800	560	800		
GS2M	GS2M	1000	700	1000		



GS2A THRU GS2M

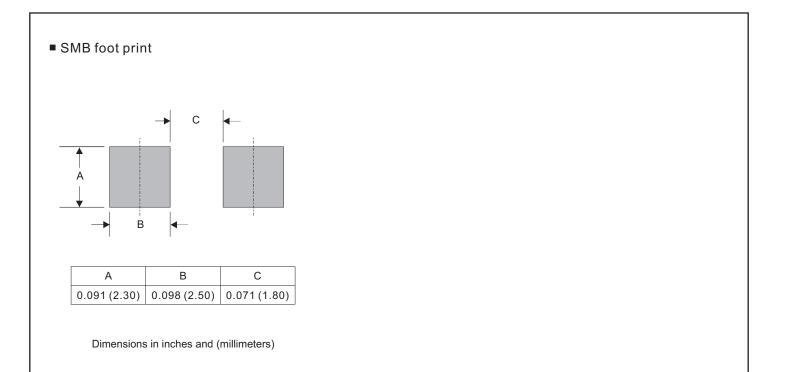
2A Surface Mount General Purpose Rectifiers





GS2A THRU GS2M

2A Surface Mount General Purpose Rectifiers



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