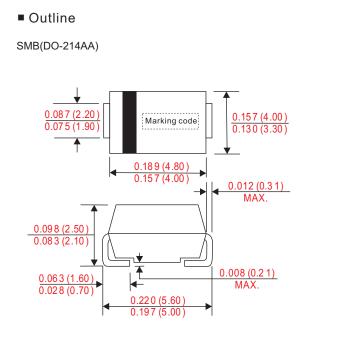
citc

GS1AB THRU GS1MB

1A 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.
- Suffix "G" indicates Halogen-free part, ex.GS1ABG.
- 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%.

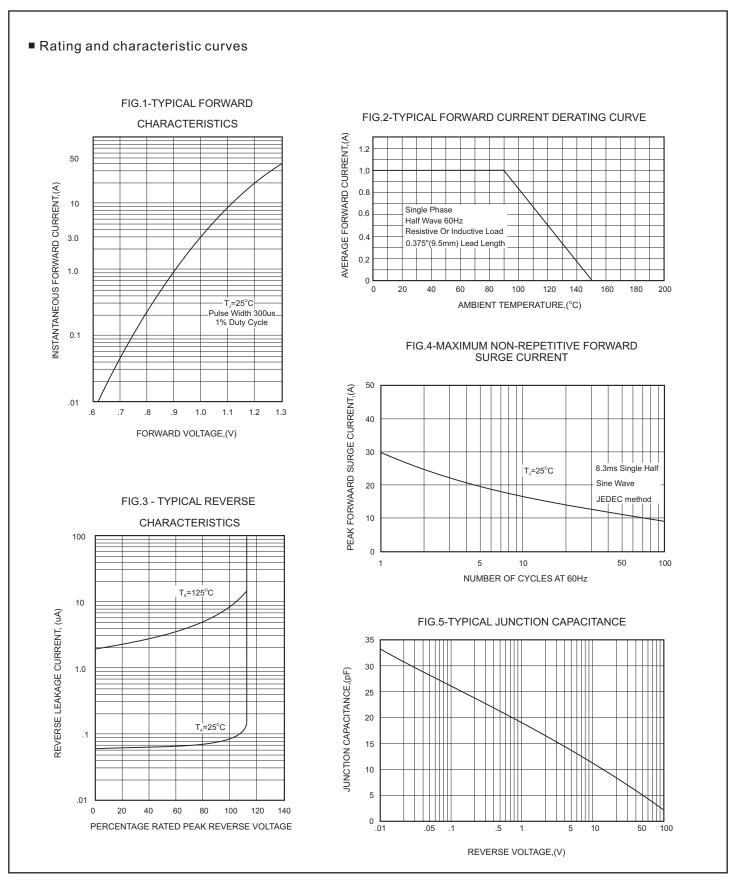
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current		I _o			1.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			30	А
Description	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				1.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	R			300	
Thermal resistance	Junction to ambient	R _{eja}		60		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C, 15			pF	
Storage temperature		T _{stg}	-50		+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 @1A, T _A = 25°C V _F (V)	Max. reverse recovery time(1) T _{rr} (us)	Operating temperature T _J (°C)
GS1AB	GS1A	50	35	50			
GS1BB	GS1B	100	70	100			
GS1DB	GS1D	200	140	200			
GS1GB	GS1G	400	280	400	1.10	2.5	-50 ~ +150
GS1JB	GS1J	600	420	600			
GS1KB	GS1K	800	560	800			
GS1MB	GS1M	1000	700	1000			
Note : 1. I _F = 0.5A, I	I _R = 1.0A , I _{RR} = 0.25A						



GS1AB THRU GS1MB

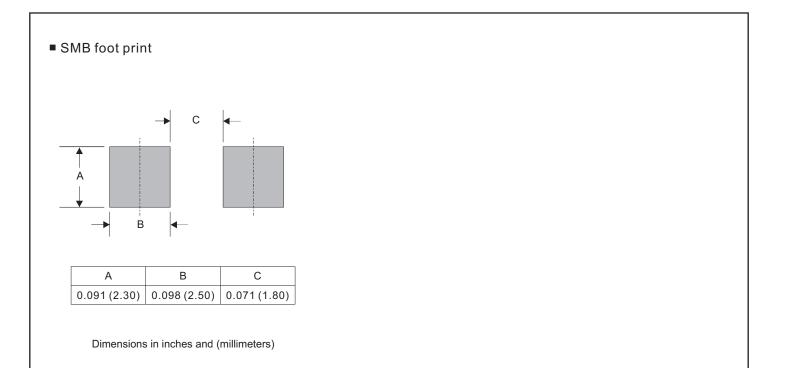
1A Surface Mount General Purpose Rectifiers





GS1AB THRU GS1MB

1A Surface Mount General Purpose Rectifiers



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