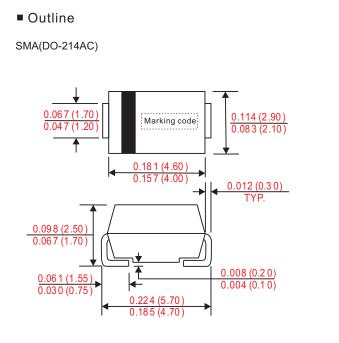
citc

GS2AA THRU GS2MA

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.
- Suffix "G" indicates Halogen-free part, ex.GS2AAG.
- Lead-free parts meet environmental standards of MIL-STD-19500 /228



Mechanical data

- Epoxy:UL94-V0 rated flame retardant
- Case : Molded plastic, DO-214AC / SMA
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Indicated by cathode band
- Weight : 0.002 ounce, 0.055 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%.

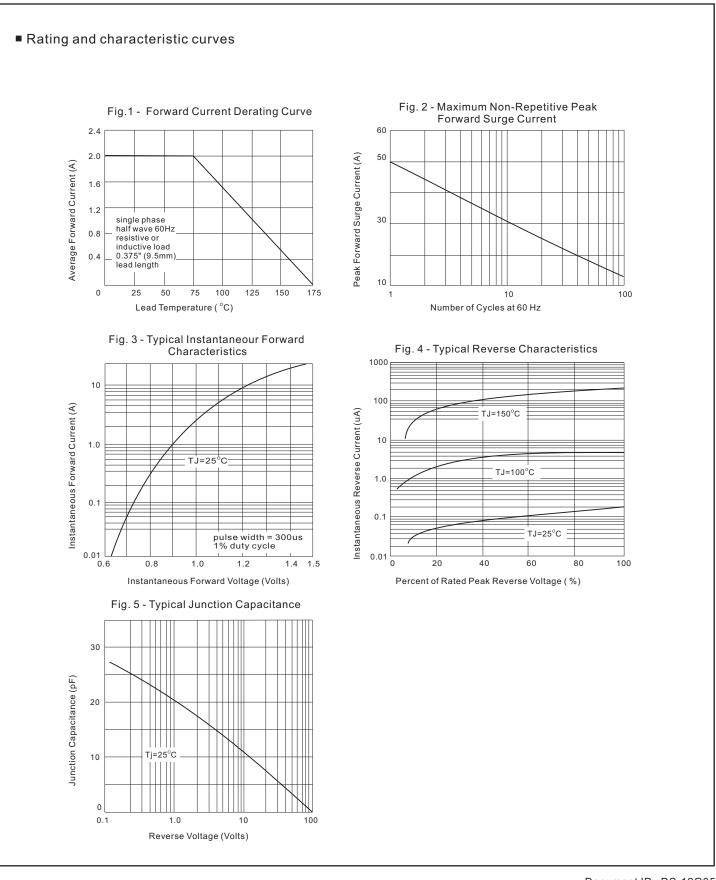
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current	at T _L = 75°C	I _o			2.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{fsm}			50	А
	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			100	
Thermal resistance	Junction to ambient	R _{eja}		75		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		15		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, $T_A = 25^{\circ}C$ $V_F(V)$	Operating temperature T _J (°C)	
GS2AA	GS2A	50	35	50			
GS2BA	GS2B	100	70	100			
GS2DA	GS2D	200	140	200			
GS2GA	GS2G	400	280	400	1.10	-55 ~ +150	
GS2JA	GS2J	600	420	600			
GS2KA	GS2K	800	560	800			
GS2MA	GS2M	1000	700	1000			



GS2AA THRU GS2MA

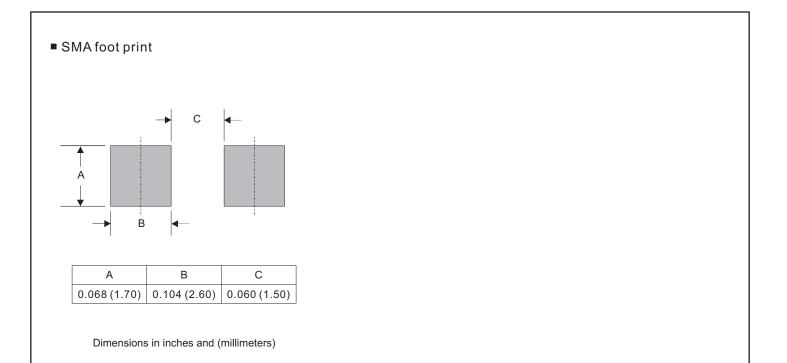
2A Surface Mount General Purpose Rectifiers





GS2AA THRU GS2MA

2A Surface Mount General Purpose Rectifiers



- CITC reserves the right to make changes to this document and its products and specifications at any time without notice.
- Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.
- CITC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does CITC assume any liability for application assistance or customer product design.
- CITC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.
- No license is granted by implication or otherwise under any intellectual property rights of CITC.
- CITC products are not authorized for use as critical components in life support devices or systems without express written approval of CITC.

http://www.citcorp.com.tw/ Tel:886-3-5600628 Fax:886-3-5600636 Add:Rm. 3, 2F., No.32, Taiyuan St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)