



Surface Mount General Purpose Rectifier

Features

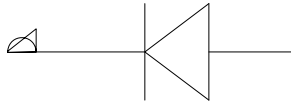
- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- High forward surge capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

For use in general purpose rectification of power supplies, inverters, converters, and freewheeling diodes for consumer and telecommunication.

Mechanical Data

rDfM-



- **Package:** DO-214AA (SMB)
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:**

PARAMETER	SYMBOL	UNIT	GS2A	GS2B	GS2D	GS2G	GS2J	GS2K	GS2M
Device marking code			GS2A	GS2B	GS2D	GS2G	GS2J	GS2K	GS2M
Maximum Repetitive peak reverse voltage	V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V_{RMS}	V	35	70	140	280	420	560	700
				100	200	400	600	800	1000

Average rectified output current
@60Hz sine wave, resistance load, TL (Fig.1 \$

VMM v] @60Hz Half-sine wave, 1 cycle, Tj=25

	FSM	A	50
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			100
Current squared time @1ms≤t≤8.3ms Tj=25	I ² t	A ² s	10.735
Storage temperature	Tstg		-55 ~ +150
Junction temperature	Tj		-55 ~ +150



GS2A THRU GS2M

■ **Electrical Characteristics** $T_a=25$ Unless otherwise specified



■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
--------------	-----------------	----------------	-------------------------	----------------------------	-------------------------------	------------------



GS2A THRU GS2M

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.