



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

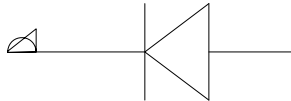
Typical Applications

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

Mechanical Data

DO-214AA

- **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)

$I_{M} \leq 1.5 I_{Tj}$ @60Hz Half-sine wave, 1 cycle, $T_j=25$

	I_{FSM}	A	50
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			100
Current squared time @1ms ≤ t ≤ 8.3ms $T_j=25$	I^2t	A ² s	10.735
Storage temperature	T_{stg}		-55 ~ +150
Junction temperature	T_j		-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
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GS2A THRU GS2M

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