

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

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

■ **Maximum Ratings** (T_a=25 °C Unless otherwise specified)

Maximum Repetitive peak reverse voltage	V_{RRM}
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Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I _{FSM}	A	150
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			300
Current squared time @1ms≤t≤8.3ms Tj=25	I ² t	A ² s	94
Storage temperature	T _{stg}		-55 ~ +150
Junction temperature	T _j		-55 ~ +150

■Electrical Characteristics T_a=25 Unless otherw

PA	METE	SYMBOL	UNI	TEST CONDITIONS	GS5AB	GS5BB	GS5DB	GS5GB	GS5JB	GS5KB	GS5MB
Maximum instantaneous forward voltage		V _F	V	I _{FM} =5.0A	1.1						

Maximum DC reverse current at
rated DC blocking voltage

I_R



QD! O @ P h€ ...x€ a\$U D u R F EP W & @0 Q6(fO H ...x€ W



GS5AB THRU GS5MB

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	



■ Suggested pad layout

DO-214AA(SMB)	
Dim	Millimeters



GS5AB THRU GS5MB

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