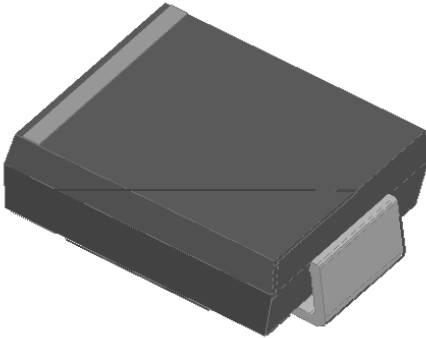


Surface Mount General Purpose Rectifier



Features

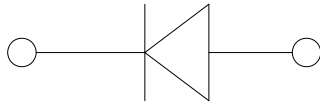
- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss
- Solder dip 260 °C max. 10 s, per JESD 22-B106
- Part no. with suffix "Q" means AEC-Q101 qualified

Typical Applications

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

Mechanical Data

- **Package:** DO-214AB (SMC)
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solder able per J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes cathode end



■Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	B	%	250
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Typical junction capacitance	C _J	pF	1MHz, V _R =4V.	60
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GS10GQ THRU GS10MQ

Fig.1: I_O - T_L Curve

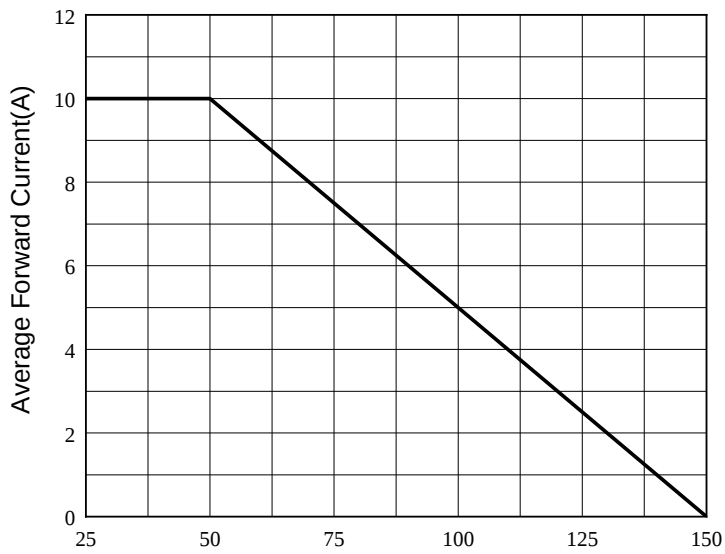


Fig.2: Surge Forward Current Capability

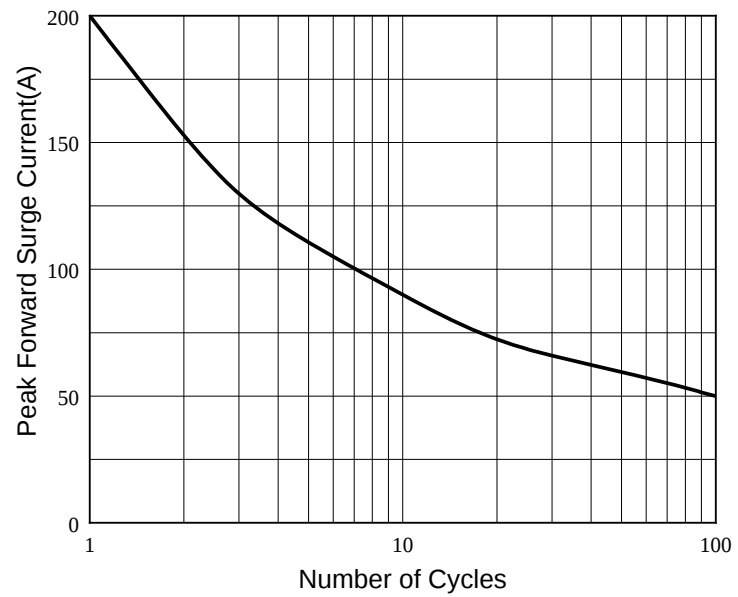


Fig.3: Typical Forward Characteristics

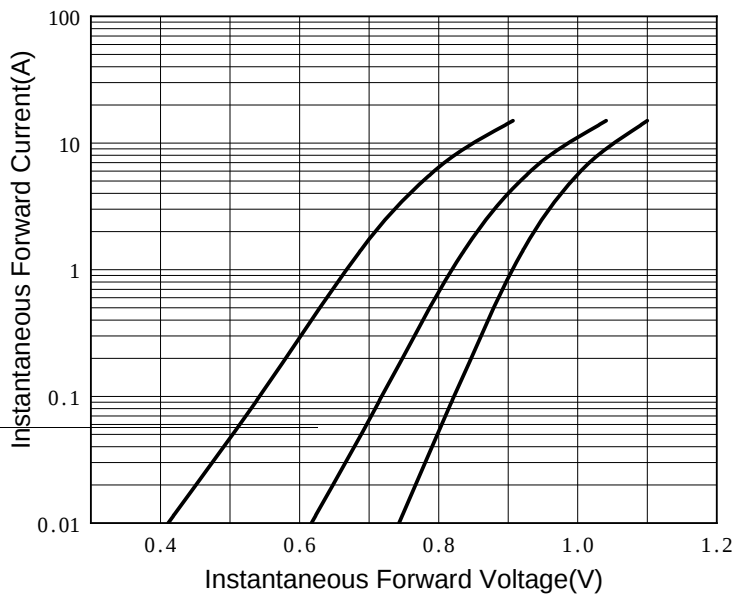
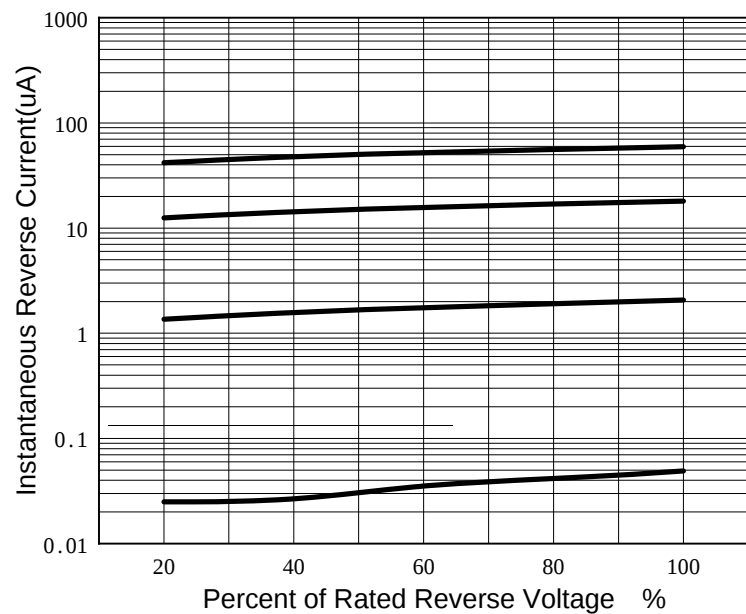


Fig.4: Typical Reverse Characteristics





GS10GQ THRU GS10MQ

■Ordering Information (Example)

PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GS10GQ-GS10MQ	F1	Approximate 0.253	3000	6000	42000	13" reel

■ Outline Dimensions

DO-214AB (SMC)		
Dim	Min	Max
A	6.60	



Disclaimer

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