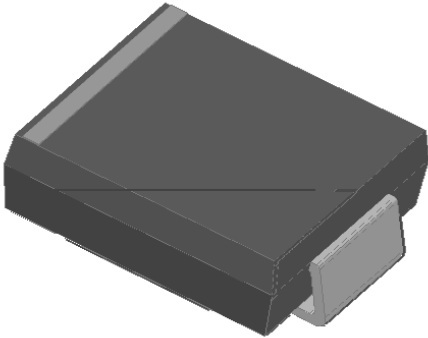


## Surface Mount General Purpose Rectifier



### 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.

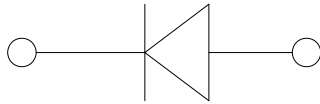
### Mechanical Data

**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 (T<sub>a</sub>=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	250
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Typical junction capacitance	C <sub>J</sub>	pF	1MHz, V <sub>R</sub> =4V.	60
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# GS10GQ THRU GS10MQ

Fig.1:  $I_O$ - $T_L$  Curve

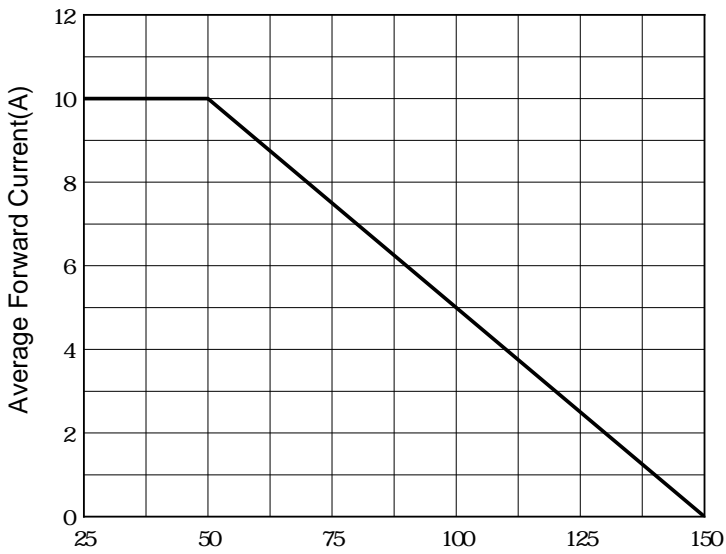


Fig.2: Surge Forward Current Capability

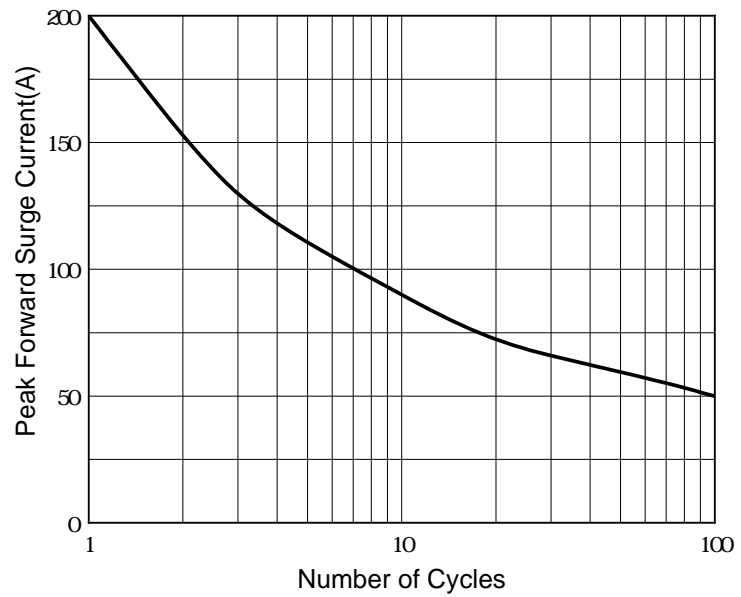


Fig.3: Typical Forward Characteristics

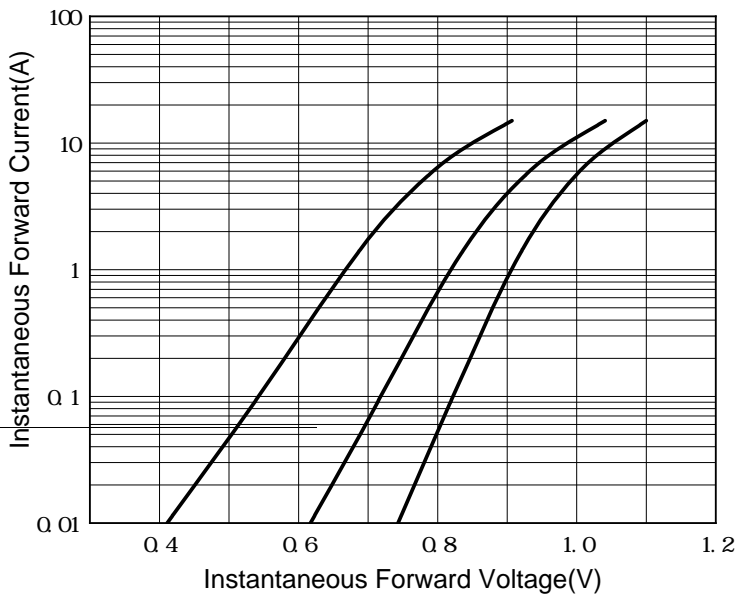
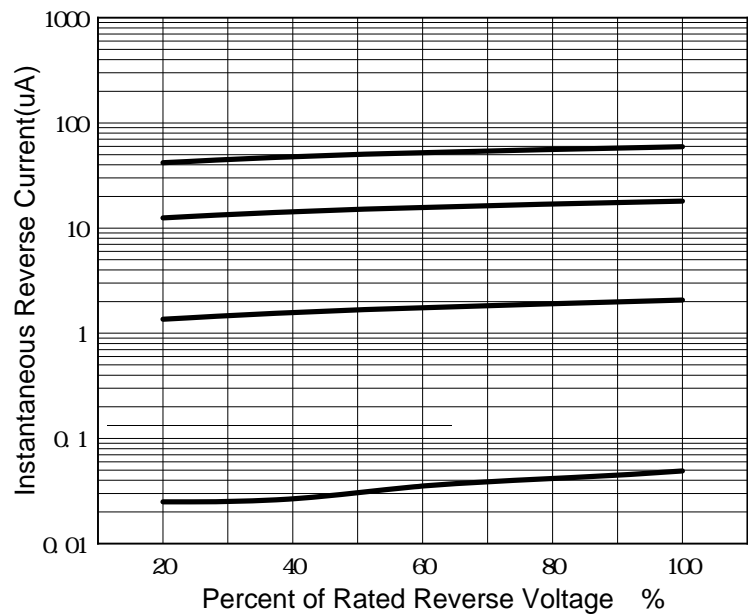


Fig.4: Typical Reverse Characteristics







## Disclaimer

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