

Schottky Barrier Diode

Reverse Voltage - 30 Volts
Forward Current - 100 mAmperes

Features

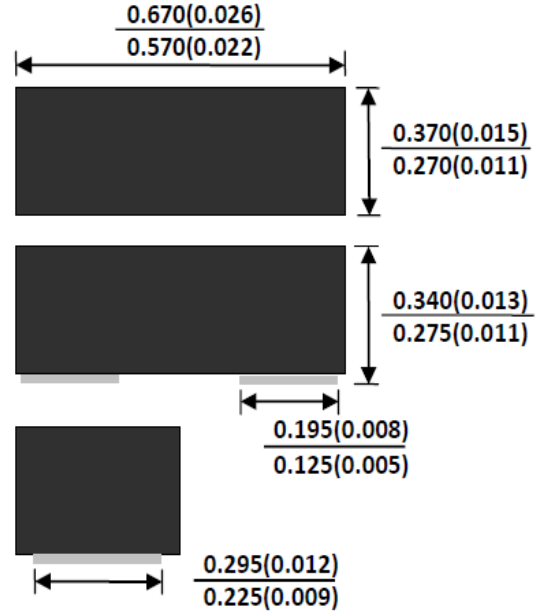
- Low IR
- Thin & leadless package
- Pb free version, RoHS compliant, and Halogen free

Mechanical Data

- Case: DFN0603(0201) mold package
- Terminal: Sn/Au plated, solderable per MIL-STD-750, method 2026
- Marking: cathode band & B



DFN0603(0201)



Package Outline Dimensions in Millimeters (Inches)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.
 Single phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

| Characteristics | Symbol | Min | Typ | Max | Unit |
|--|------------------|-----|-----|------|------|
| Repetitive peak reverse voltage | V _{RRM} | | | 30 | V |
| Reverse voltage | V _R | | | 30 | V |
| Average forward current | I _o | | | 100 | m A |
| Forward voltage, I _F =10mA | V _F | | | 0.46 | V |
| Reverse current, V _R =10V | I _R | | | 0.3 | uA |
| Forward current surge peak, 8.3 ms single half sine-wave superimposed on rate load (JEDEC method) | I _{FSM} | | | 0.5 | A |
| Storage/Operation temperature | T _{Sgt} | -40 | | 150 | °C |
| Junction temperature | T _J | | | 125 | °C |

Fig. 1 - Forward characteristics

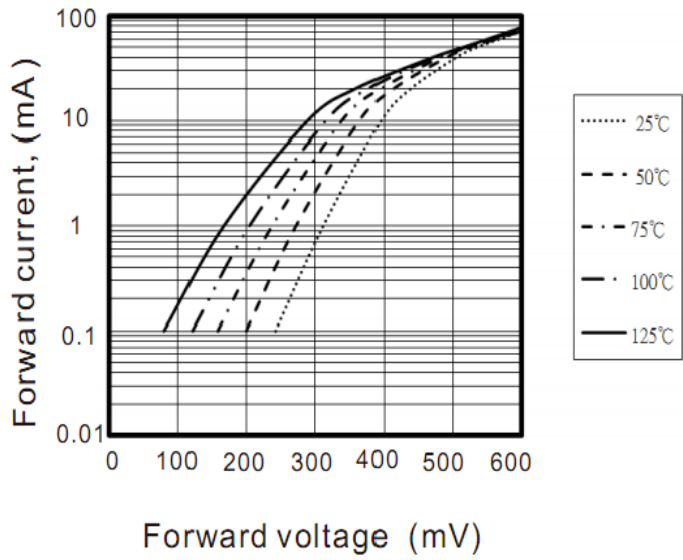
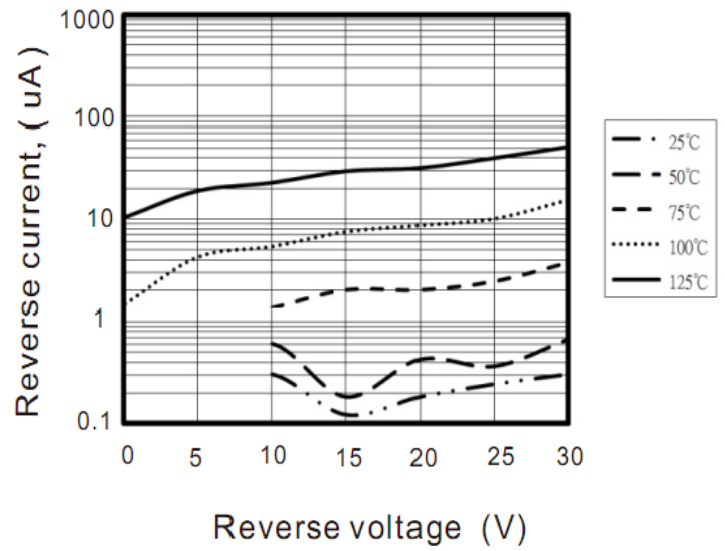


Fig. 2 - Reverse characteristics



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