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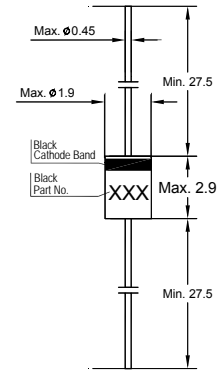
Silicon Epitaxial Planar Switching Diode

Features

- Low capacitance
- Short reverse recovery time
- High reliability

Applications

- High-speed switching



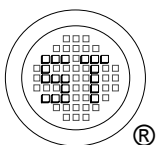
Glass Case DO-34
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

| Parameter | Symbol | Value | Unit |
|---|-------------|---------------|------------------|
| Peak Reverse Voltage | V_{RM} | 70 | V |
| Reverse Voltage | V_R | 60 | V |
| Average Forward Current | $I_{F(AV)}$ | 150 | mA |
| Peak Forward Current | I_{FM} | 450 | mA |
| Non-Repetitive Peak Forward Surge Current (1 s) | I_{FSM} | 1 | A |
| Power Dissipation | P_{tot} | 250 | mW |
| Junction Temperature | T_j | 175 | $^\circ\text{C}$ |
| Storage Temperature Range | T_{stg} | - 65 to + 175 | $^\circ\text{C}$ |

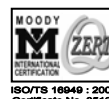
Characteristics at $T_a = 25\text{ }^\circ\text{C}$

| Parameter | Symbol | Max. | Unit |
|--|----------|------|---------------|
| Forward Voltage at $I_F = 10\text{ mA}$ | V_F | 0.8 | V |
| Reverse Current at $V_R = 60\text{ V}$ | I_R | 1 | μA |
| Capacitance between Terminals at $V_R = 1\text{ V}$, $f = 1\text{ MHz}$ | C_T | 3 | pF |
| Reverse Recovery Time at $I_F = 10\text{ mA}$, $V_R = 6\text{ V}$, $R_L = 50\ \Omega$ | t_{rr} | 3.5 | ns |

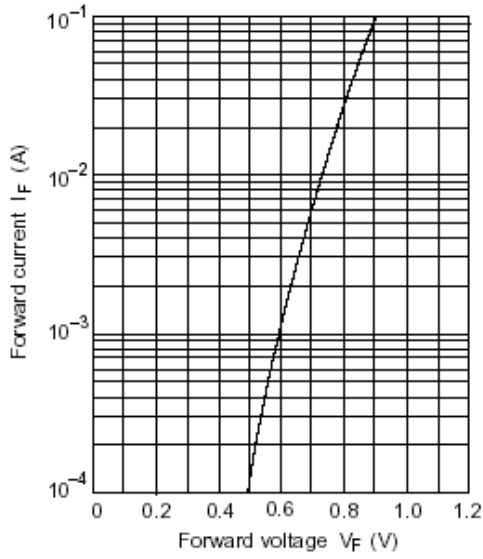


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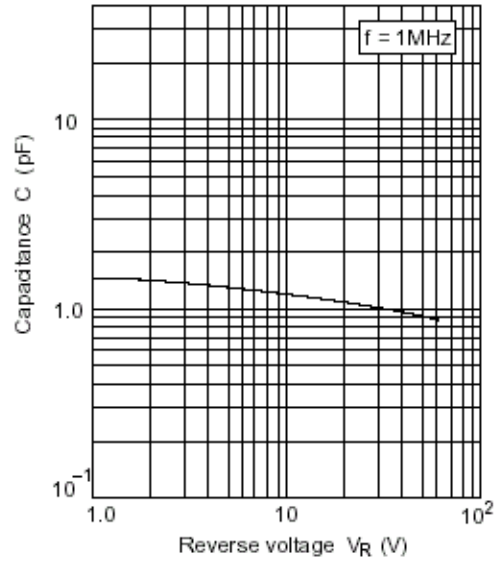
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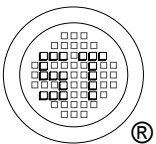
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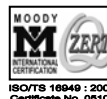
Forward current Vs. Forward voltage



Capacitance Vs. Reverse voltage



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ISO/TS 16949:2002 Certificate No. 05103 | ISO 14001:2004 Certificate No. 7116 | ISO 9001:2000 Certificate No. 050059 | BS-OHSAS 18001:2007 Certificate No. 7116 | IECQ QC 080000 Certificate No. 19C080001

Dated : 15/06/2009