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|-----------------------------------|---------|------------------------|
| SANYO | No.2822 | DSH015 |
| | | Silicon Epitaxial Type |
| High-Speed Switching Diode | | |

Features

- Very small-sized package permitting DSH015-applied sets to be made small and slim
- Fast switching speed

Absolute Maximum Ratings at Ta = 25°C

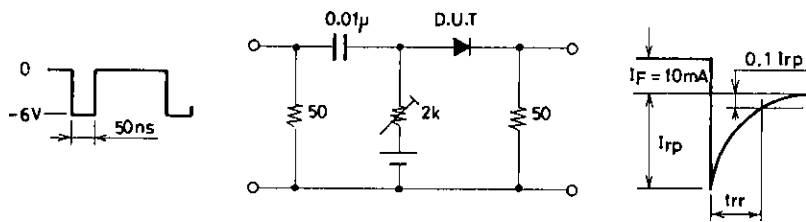
| | | | unit |
|---------------------------|-----------------------|-------------|------|
| Peak Reverse Voltage | V_{RM} | -75 | V |
| Reverse Voltage | V_R | -50 | V |
| Surge Current | I_{FSM} 1 μ sec | 4 | A |
| Average Rectified Current | I_O | 150 | mA |
| Peak Forward Current | I_{FM} | 300 | mA |
| Junction Temperature | T_j | 150 | °C |
| Storage Temperature | T_{stg} | -55 to +150 | °C |

Electrical Characteristics at Ta = 25°C

| | | | min | typ | max | unit |
|---------------------------|----------|---|-----|------|------|------|
| Forward Voltage | V_F | $I_F = 10\text{mA}$ | | 0.72 | 1.0 | V |
| | | $I_F = 50\text{mA}$ | | 0.85 | 1.0 | V |
| | | $I_F = 100\text{mA}$ | | 0.92 | 1.2 | V |
| Reverse Current | I_R | $V_R = -50\text{V}$ | | | -100 | nA |
| Interterminal Capacitance | C | $V_R = 0, f = 1\text{MHz}$ | | 4.0 | 7 | pF |
| Reverse Recovery Time | t_{rr} | $I_F = 10\text{mA}, V_R = -6\text{V}, R_L = 50\Omega, I_{rr} = 0.1I_{rp}$ | | | 5 | ns |
| Rated I/O Frequency | | | | | 20 | MHz |

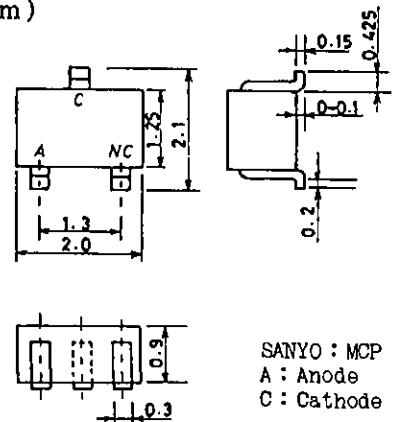
Marking : A2

Reverse Recovery Time Test Circuit

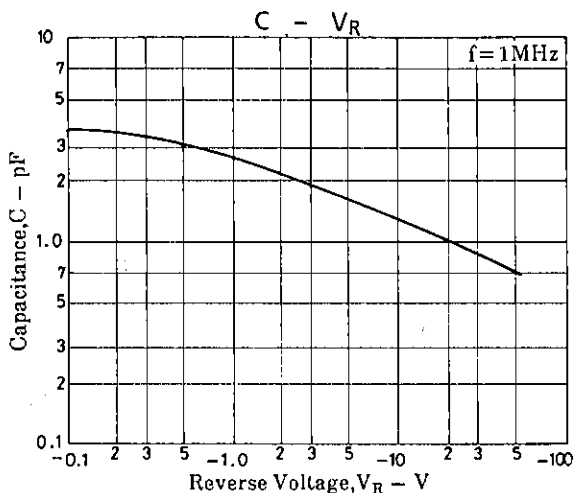
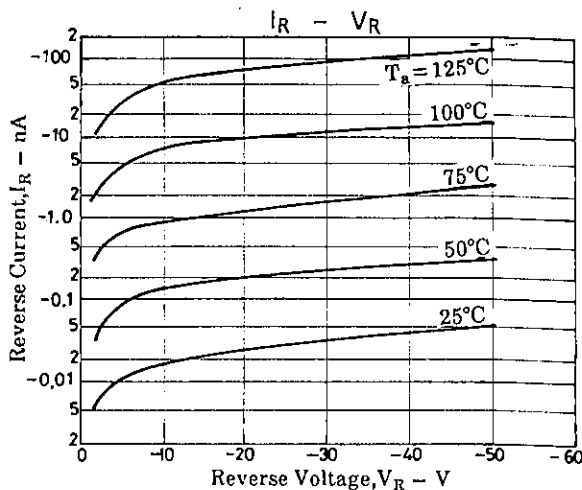
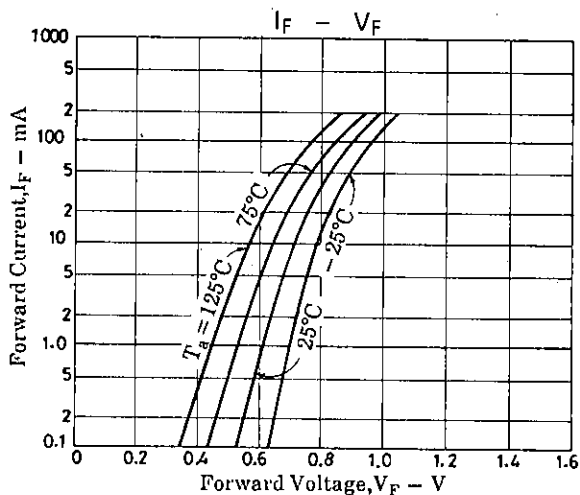


Unit (resistance: Ω , capacitance: F)

Package Dimensions 1197
(unit: mm)



SANYO : MCP
A : Anode
C : Cathode



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