**Applications**

- High frequency rectification (switching regulators, converters, choppers)

Features

- Low forward voltage (V_F max = 0.55V)
- Fast reverse recovery time (t_{rr} max = 10ns)
- Low switching noise
- Low leakage current and high reliability due to highly reliable planar structure
- Ultrasmall-sized package permitting SB02-03Q-applied sets to be compact and slim

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

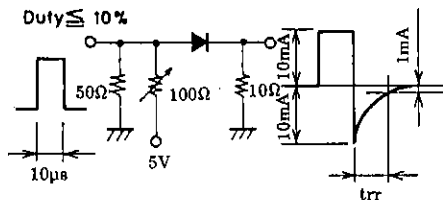
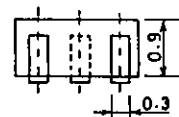
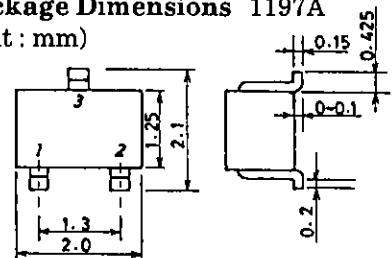
| | | | unit |
|---------------------------------|-----------|-------------------------|------------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | V |
| Nonrepetitive Peak Reverse | V_{RSM} | 35 | V |
| Surge Voltage | | | |
| Average Output Current | I_O | 200 | mA |
| Surge Forward Current | I_{FSM} | 50Hz sine wave, 1 cycle | 2 A |
| Junction Temperature | T_j | -55 to +125 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -55 to +125 | $^\circ\text{C}$ |

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

| | | | min | typ | max | unit |
|---------------------------|----------|-------------------------------------|-----|-----|------|---------------|
| Reverse Voltage | V_R | $I_R = 50\mu\text{A}$ | 30 | | | V |
| Forward Voltage | V_F | $I_F = 200\text{mA}$ | | | 0.55 | V |
| Reverse Current | I_R | $V_R = 15\text{V}$ | | | 15 | μA |
| Interterminal Capacitance | C | $V_R = 10\text{V}, f = 1\text{MHz}$ | | 6.3 | | pF |
| Reverse Recovery Time | t_{rr} | $I_F = I_R = 10\text{mA}$ | | | 10 | ns |

See specified Test Circuit.

Marking : H

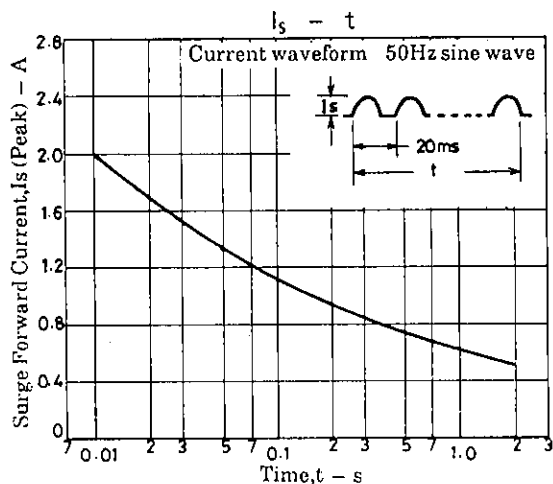
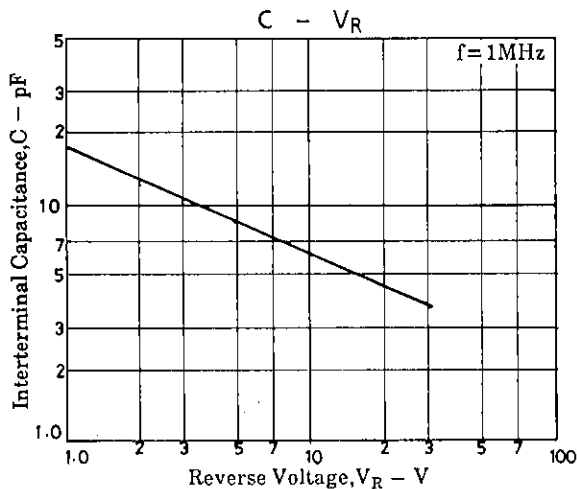
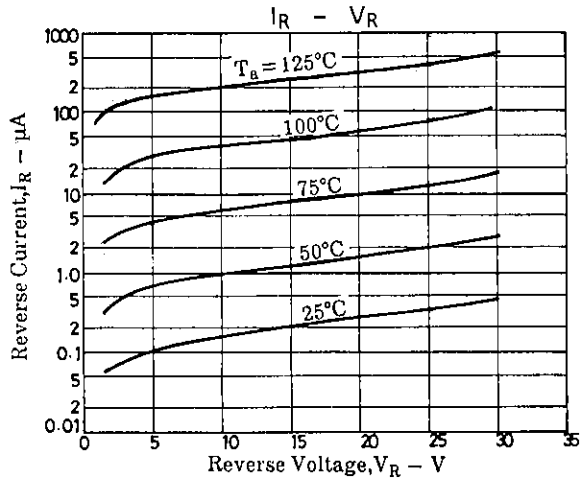
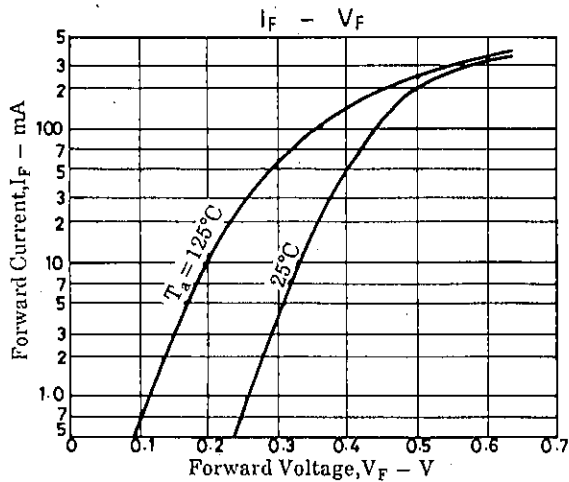
 t_{rr} Test Circuit**Package Dimensions 1197A**
(unit : mm)

1 : Anode
2 : No Contact
3 : Cathode

SANYO : MCP

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