

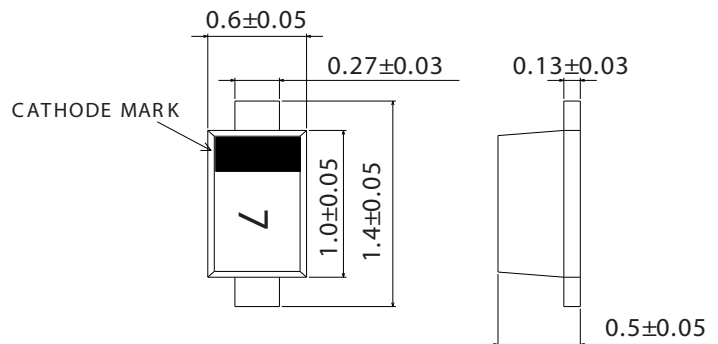
RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

SOD-723

● FEATURES

- . High frequency switching
- . Ultra small mold type
- . High reliability
- . Silicon epitaxial planer



● MECHANICAL DATA

- . Case: SOD-723, Molded Plastic
- . Terminals: Solderable per MIL-STD-202, Method 208
- . Polarity: See Diagrams Below
- . Mounting Position: Any

● MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

| TYPE NUMBER | SYMBOL | SCS400G | UNITS |
|--|-----------|------------|-------|
| Peak reverse voltage | V_{RM} | 90 | V |
| DC Reverse Voltage | V_R | 80 | V |
| Peak forward current | I_{FM} | 225 | mA |
| Mean rectifying current | I_O | 100 | mA |
| Peak Forward Surge Current, 1 second single half sine-wave superimposed on rated load (JEDEC method) | I_{FSM} | 500 | mA |
| Forward Voltage @ $I_F = 100$ mA | V_F | 1.2 (Max.) | V |
| Reverse Current @ $V_R = 80$ V | I_R | 100 (Max.) | nA |
| Capacitance between terminals @ $V_R = 0.5$ V, $f = 1$ MHz | C_T | 3.0 | pF |
| Reverse recovery time @ $V_R = 6$ V, $I_F = 10$ mA, $R_L = 100\Omega$ | t_{rr} | 4.0 | ns |
| Operating Temperature | T_J | 150 | °C |
| Storage Temperature Range | T_{STG} | -55 ~ +150 | °C |

Note: ESD sensitive product handling required

● ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

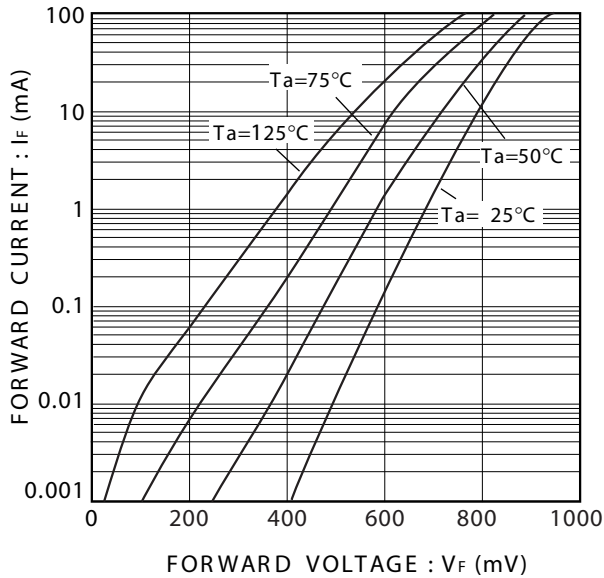


Fig.1 Forward characteristics

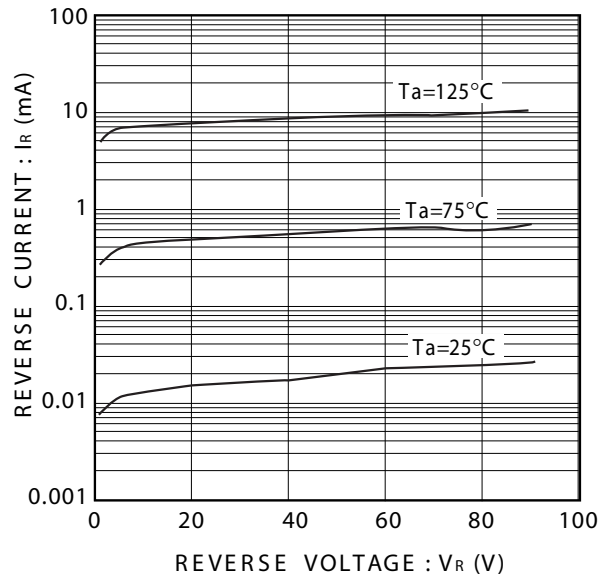


Fig.2 Reverse characteristics

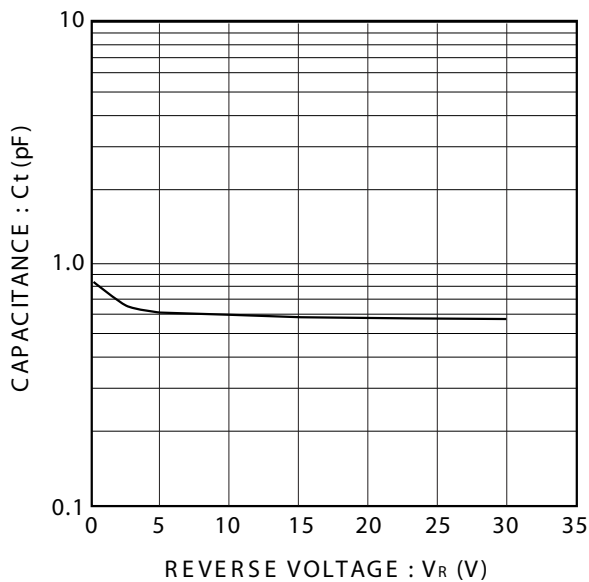


Fig.3 Characteristics