

RoHS Compliant Product

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

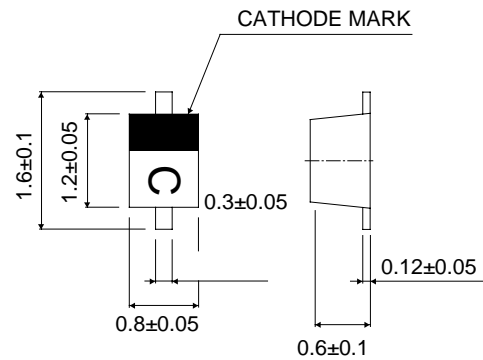
FEATURES

SOD-523

- Low current rectification and high speed switching

MECHANICAL DATA

- Extremely small surface mounting type. (EMD2)
- $I_o=200\text{mA}$ guaranteed despite the size.
- Low V_F . ($V_F=0.40\text{V}$ Typ. At 200mA)
- Silicon epitaxial planer



Dimensions in millimeters

MAXIMUM RATINGS ($T_J = 25^\circ\text{C}$ unless otherwise noted)

Rating	Symbol	Value	Unit
DC reverse voltage	V_R	30	Volts
Mean rectifying current	I_o	200	mA
Peak forward surge current	I_{FSM}	1	A
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40 to +125	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted) (EACH DIODE)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward voltage ($I_F = 200\text{mA}$)	V_F	-	-	0.50	Volts
Reverse current ($V_R = 10\text{V}$)	I_R	-	-	30	mA

Electrical characteristic curves (Ta=25°C)

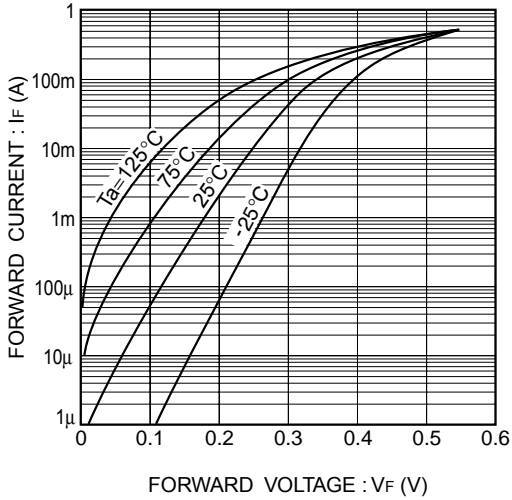


Figure 1. Forward characteristics

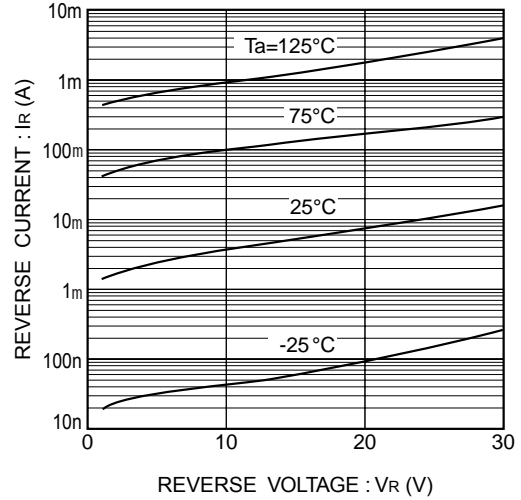


Figure 2. Reverse characteristics

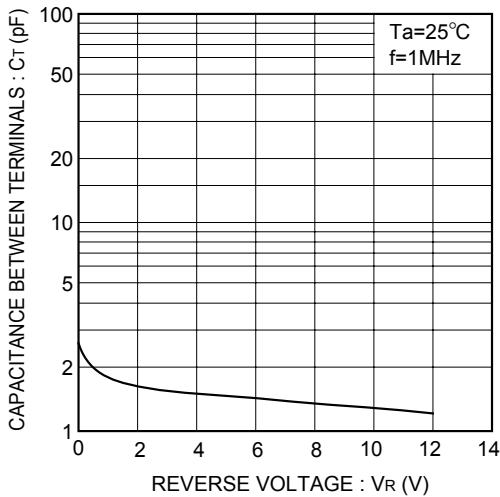


Fig. 3 Capacitance between terminals characteristics

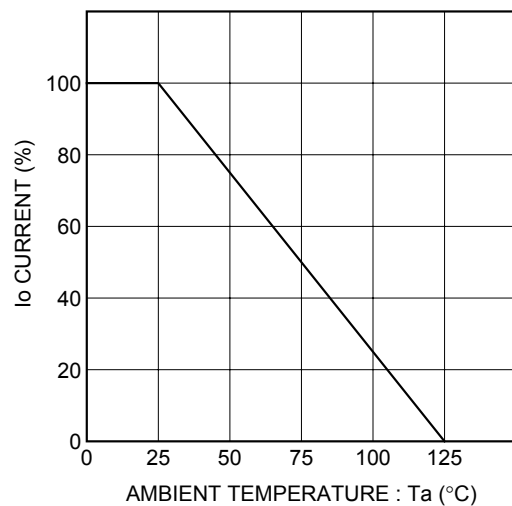


Fig. 4 Derating curve (mounting on glass epoxy PCBs)