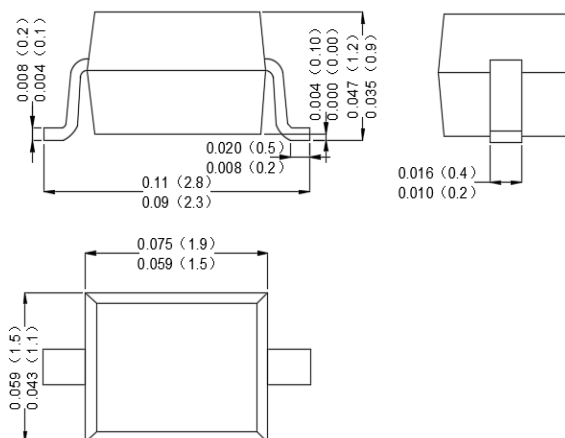




Features

- Small surface mounting type
- High reliability

SOD-323



Dimensions in inches and (millimeters)

Mechanical Data

- Case: Molded Plastic, SOD-323
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Plated Leads Solderable per MIL-STD-750, Method-2026
- Mounting Position : Any.
- Marking: J0

Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	40	V
Forward Current	I_F	20	mA
Total Power Dissipation	P_{tot}	100	mW
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

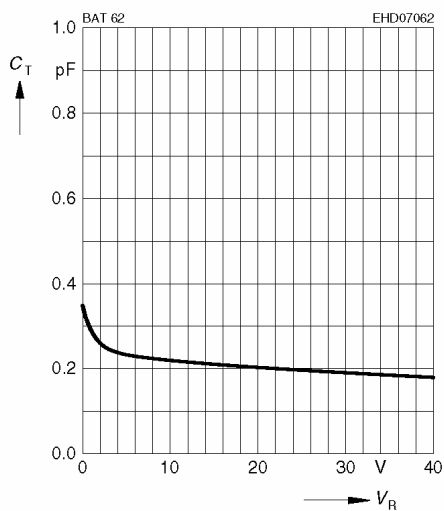
Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 2$ mA	V_F	1	V
Reverse Current at $V_R = 40$ V	I_R	10	μA
Diode Capacitance at $V_R = 0$ V, $f = 1$ MHz	C_T	0.6	pF



Rating And Characteristic Curves

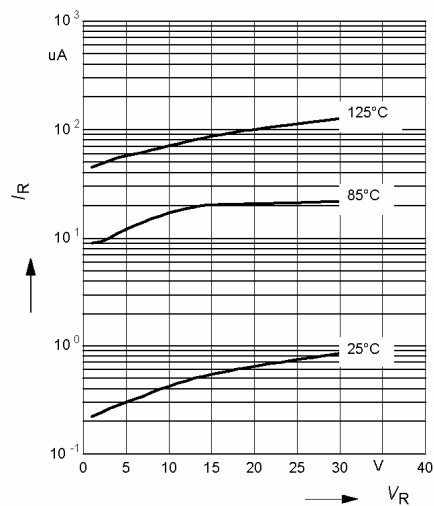
Diode capacitance $C_T = f(V_R)$

$f = 1\text{MHz}$



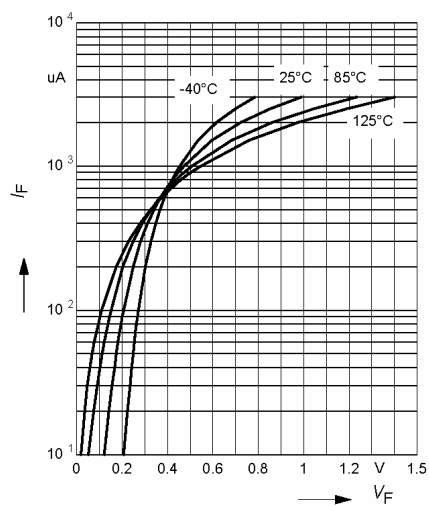
Reverse current $I_R = f(V_R)$

$T_A = \text{Parameter}$

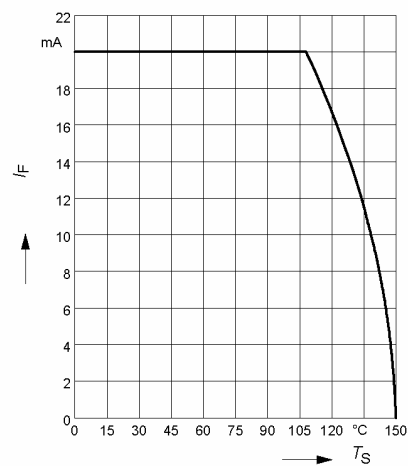


Forward current $I_F = f(V_F)$

$T_A = \text{Parameter}$



Forward current $I_F = f(T_S)$





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