

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	100	-	V	$I_R=100\mu\text{A}$
Forward Voltage	V_F	-	0.715 0.855 1.0 1.25	V	$I_F=1.0\text{mA}$ $I_F=10\text{mA}$ $I_F=50\text{mA}$ $I_F=150\text{mA}$
Reverse Current	I_R	-	1.0 0.03	μA	$V_R=75\text{V}$ $V_R=25\text{V}$
Capacitance Between Terminals	C_T	-	1.5	pF	$V_R=0, f=1.0\text{MHz}$
Reverse Recovery Time	t_{rr}	-	4.0	ns	$I_F=I_R=10\text{mA}, R_L=100\Omega$

Ratings and Characteristics Curves

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

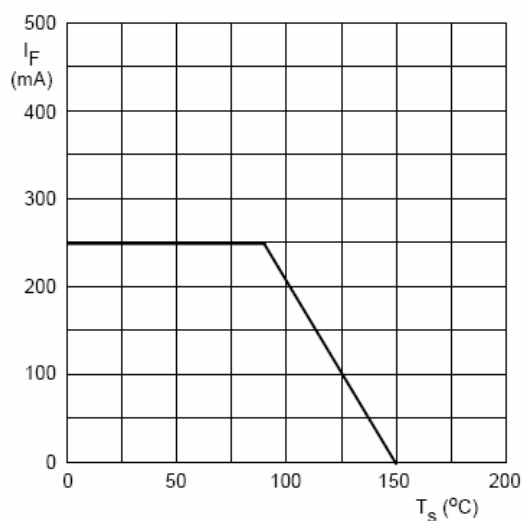


Fig.1 Maximum permissible continuous forward current as a function of soldering point temperature.

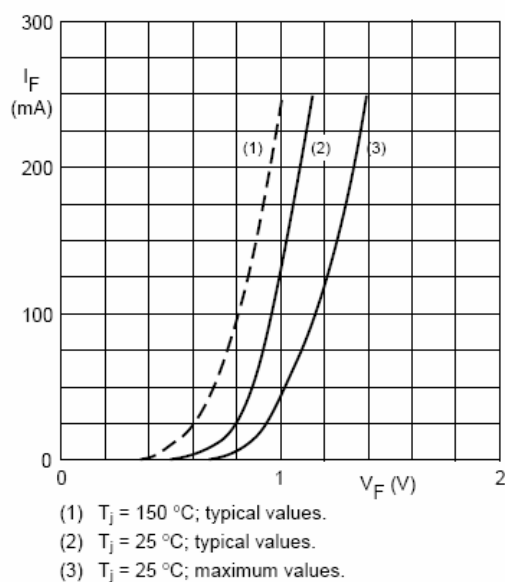


Fig.2 Forward current as a function of forward voltage.

Ratings and Characteristics Curves

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

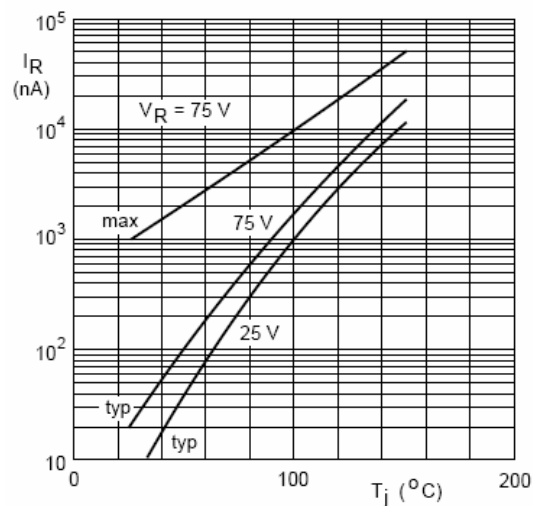
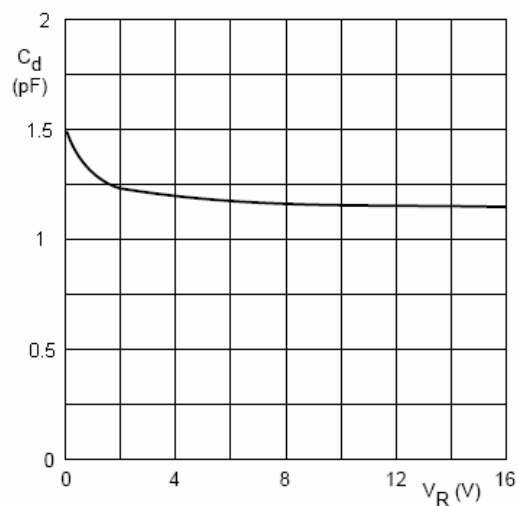


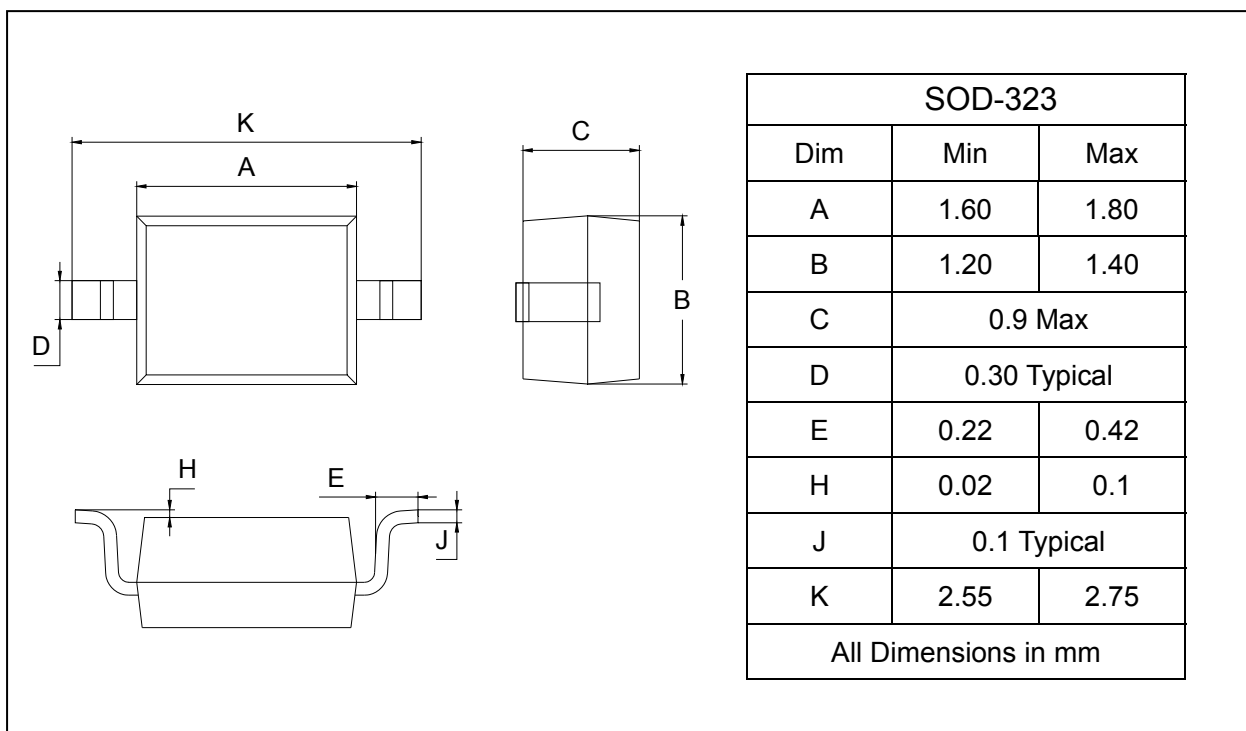
Fig.3 Reverse current as a function of junction temperature.



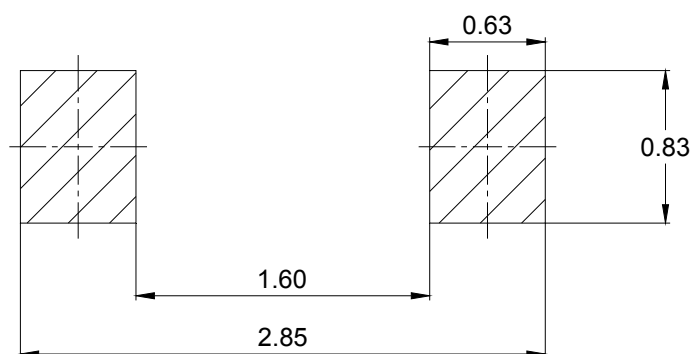
$f = 1 \text{ MHz}; T_j = 25^\circ\text{C}.$

Fig.4 Diode capacitance as a function of reverse voltage; typical values.

Package Outline Dimensions



Soldering Footprint



Unit : mm

Ordering Information

Device	Package	Marking	Quantity	HSF Status
BAS316	SOD-323	A6	3000pcs / Reel	RoHS Compliant