

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

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	40	-	-	V	$I_{RS} = 10\mu\text{A}$
Forward Voltage	V_F	-	-	380 1000	mV	$t_P < 300\mu\text{s}, I_F = 1.0\text{mA}$ $t_P < 300\mu\text{s}, I_F = 40\text{mA}$
Reverse Leakage Current	I_R	-	20	200	nA	$t_P < 300\mu\text{s}, V_R = 30\text{V}$
Junction Capacitance	C_j	-	4.0	5.0	pF	$V_R = 0\text{V}, f = 1.0\text{MHz}$
Reverse Recovery Time	t_{rr}	-	-	5.0	ns	$I_F = I_R = 10\text{mA}$ to $I_R = 1.0\text{mA}, R_L = 100\Omega$

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

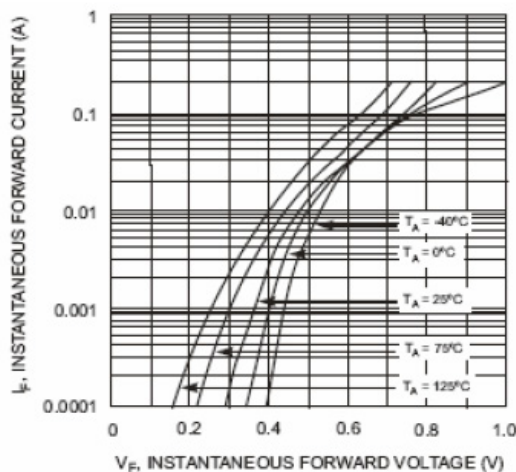


Fig. 1 Typical Forward Voltage

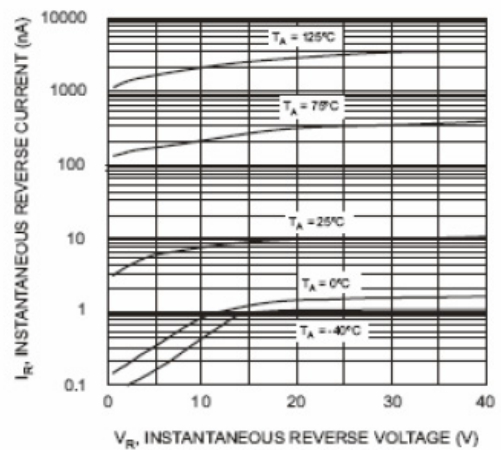


Fig. 2 Typical Reverse Characteristics

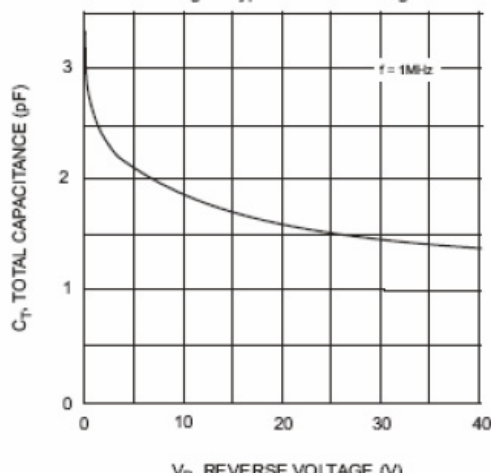


Fig. 3 Typical Capacitance

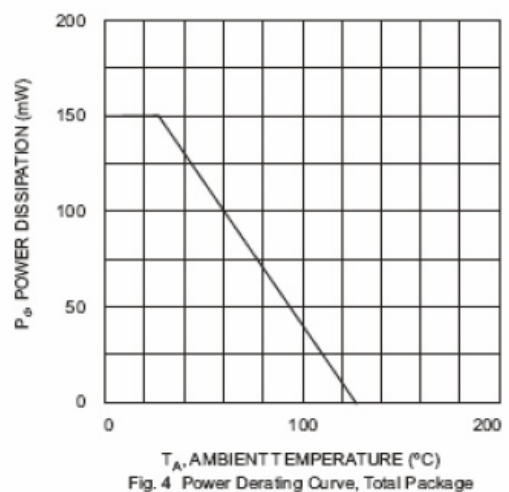
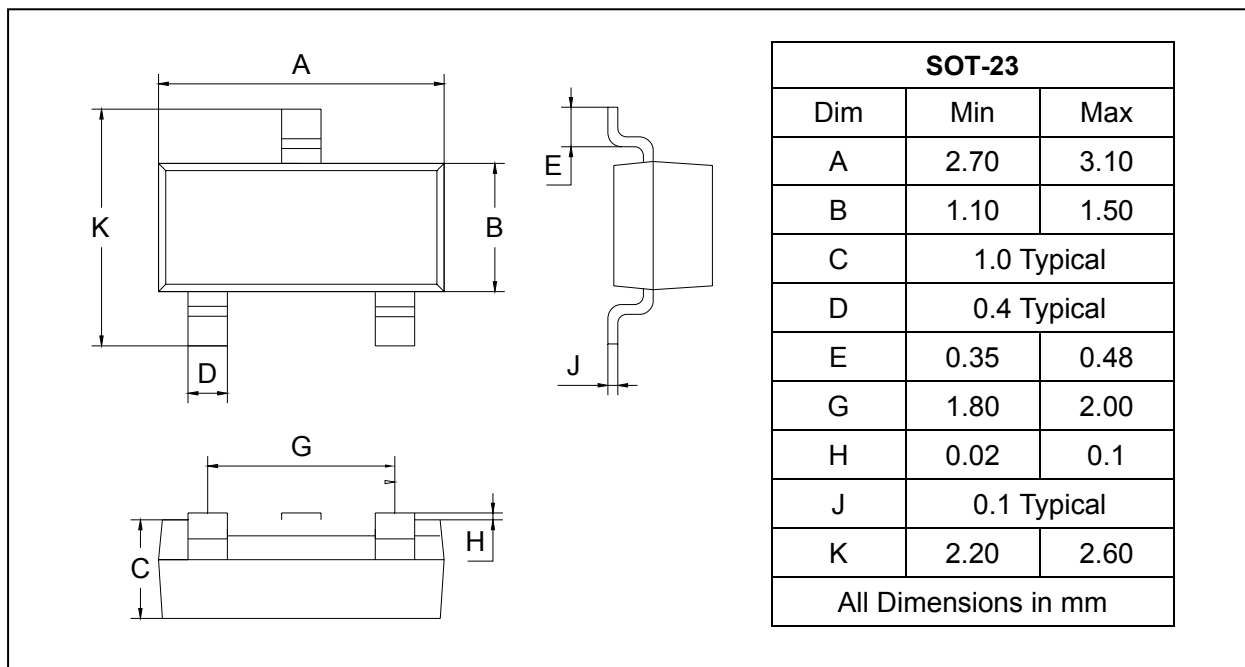


Fig. 4 Power Derating Curve, Total Package

Package Outline Dimensions

SOT-23



Suggested Soldering Pad

