

Electrical Characteristics (T_A = 25°C unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Breakdown Voltage	V _{(BR)R}	40	-	-	V	I _{RS} = 10μA
Forward Voltage	V _F	-	-	380 1000	mV	t _P < 300μs, I _F = 1.0mA t _P < 300μs, I _F = 40mA
Reverse Leakage Current	I _R	-	20	200	nA	t _P < 300μs, V _R = 30V
Junction Capacitance	C _j	-	4.0	5.0	pF	V _R = 0V, f = 1.0MHz
Reverse Recovery Time	t _{rr}	-	-	5.0	ns	I _F = I _R = 10mA to I _R = 1.0mA, R _L = 100Ω

Typical Characteristic Curves (T_A = 25°C unless otherwise noted)

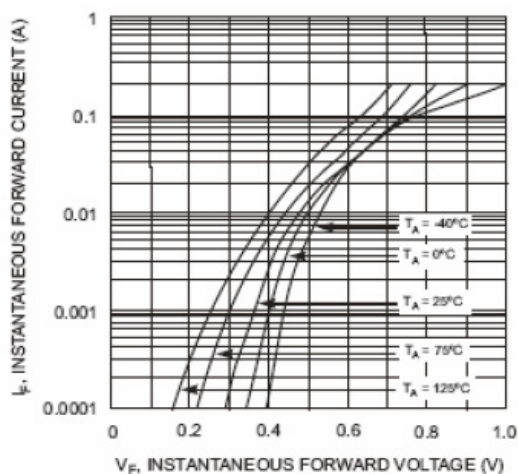


Fig. 1 Typical Forward Voltage

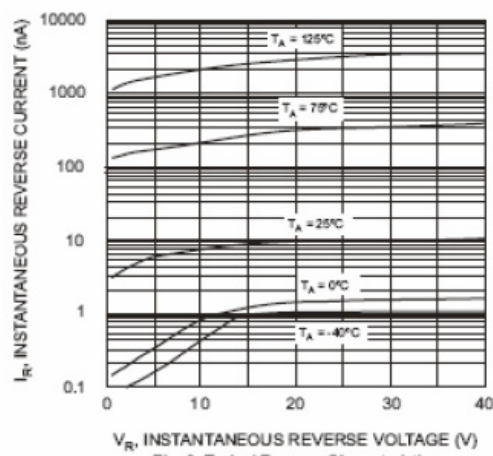


Fig. 2 Typical Reverse Characteristics

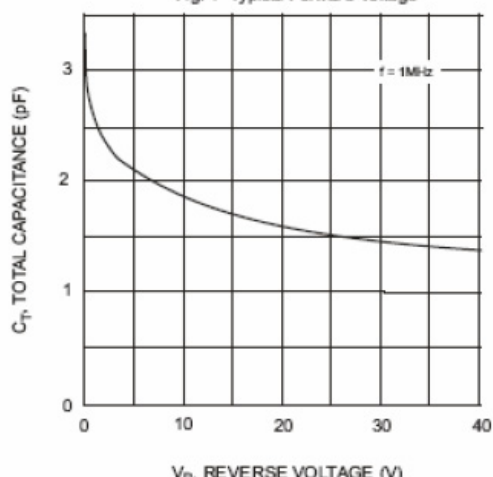


Fig. 3 Typical Capacitance

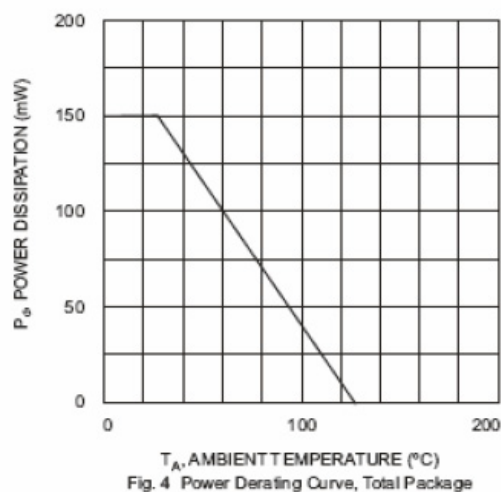
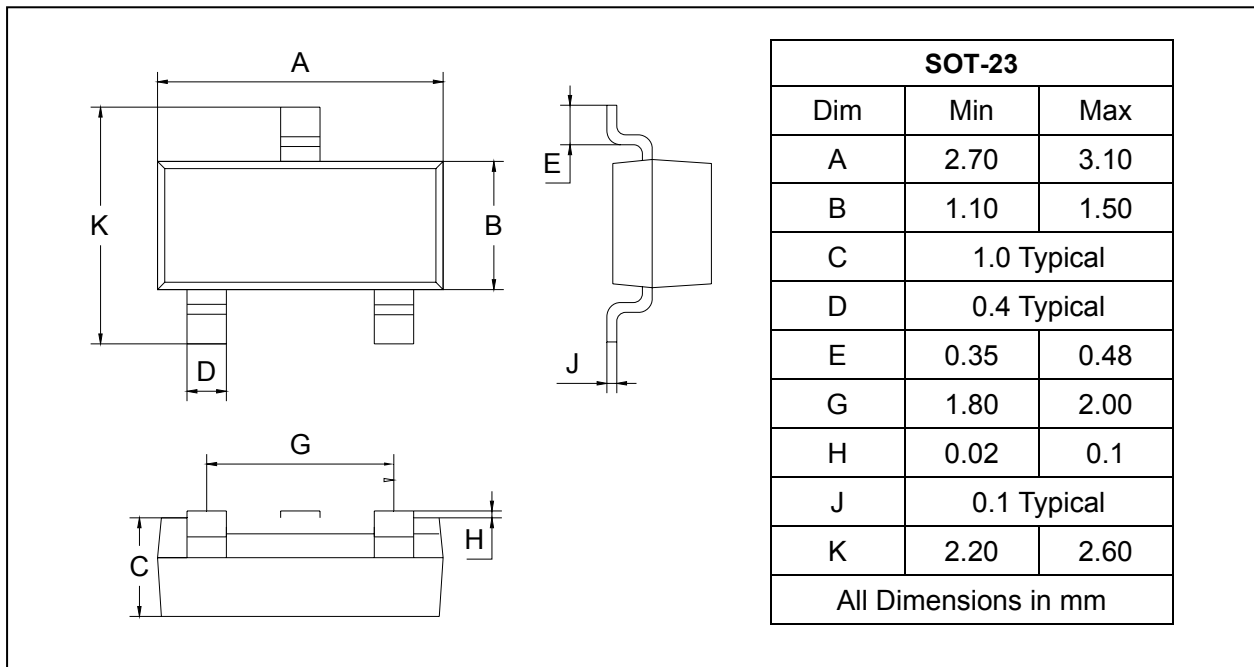


Fig. 4 Power Derating Curve, Total Package

Package Outline Dimensions

SOT-23



Suggested Soldering Pad

