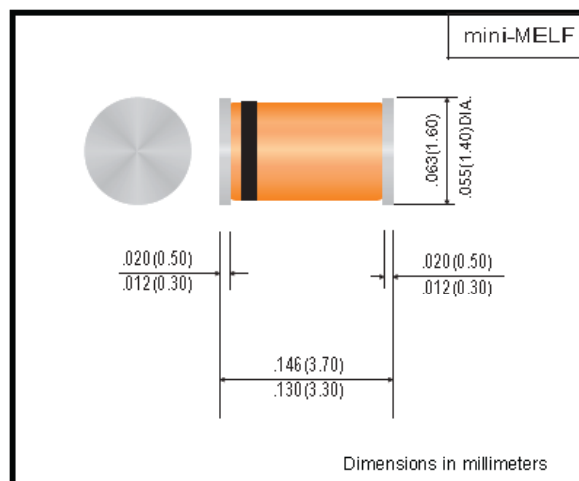


200mA Small Signal Switching Diode Mini-Melf Package

Absolute Maximum Ratings (Ta=25°C)			
Items	Symbol	Ratings	Unit
Reverse Voltage	V_R	50	V
Reverse Recovery Time	T_{rr}	4	ns
Power Dissipation	P	500	mW
Forward Current	I_F	200	mA
Junction Temp.	T_J	-55 to 175	°C
Operation/ Storage Temp.	T_{STG}	-55 to 175	°C

Mechanical Data	
Items	Materials
Package	Mini Melf
Case	Hermetically sealed galss
Lead/ Finish	Double stud/ Solder Plating
Chip	Glass Passivated



* Moisture Sensitivity Level 1

* Polarity: Color band denotes cathode end

Electrical Characteristics (Ta=25°C)			
Parameter	Symbol	Limit	Unit
Minimum Breakdown Voltage $I_R = 100\mu A$	V_R	75	V
Peak Forward Surge Current PW < 1sec.	I_F surge	0.5	A
Maximum Forward Voltage $I_F = 200mA$	V_F	1	V
Maximum Reverse Current $V_R = 50V$	I_R	100	nA
Maximum Junction Capacitance $V_R = 0, f = 1 MHz$	C_J	4	pF
Maximum Reverse Recovery Time $I_F = 10mA, V_R = 6V, I_{RR} = 1mA, R_L = 100\Omega$	T_{rr}	4	ns
Maximum Reverse Recovery Time	$R_{\theta JA}$	0.35	°C/ mW

200mA Small Signal Switching Diode Mini-Melf Package

Characteristics ($T_j = 25^\circ\text{C}$ unless otherwise specified)

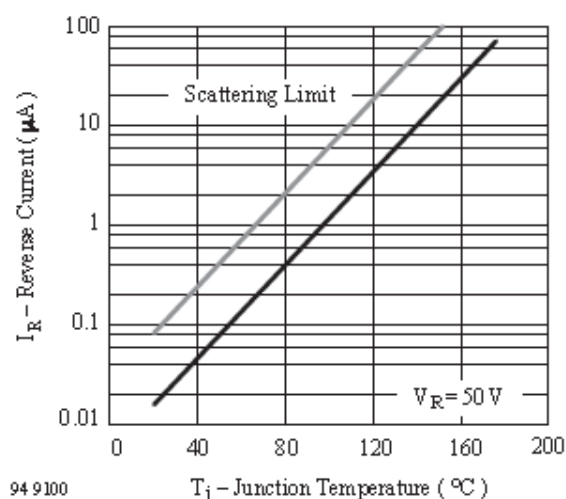


Figure 1. Reverse Current vs. Junction Temperature

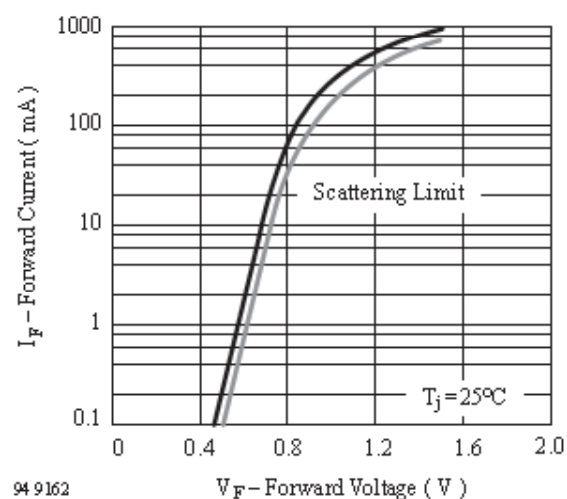


Figure 2. Forward Current vs. Forward Voltage