



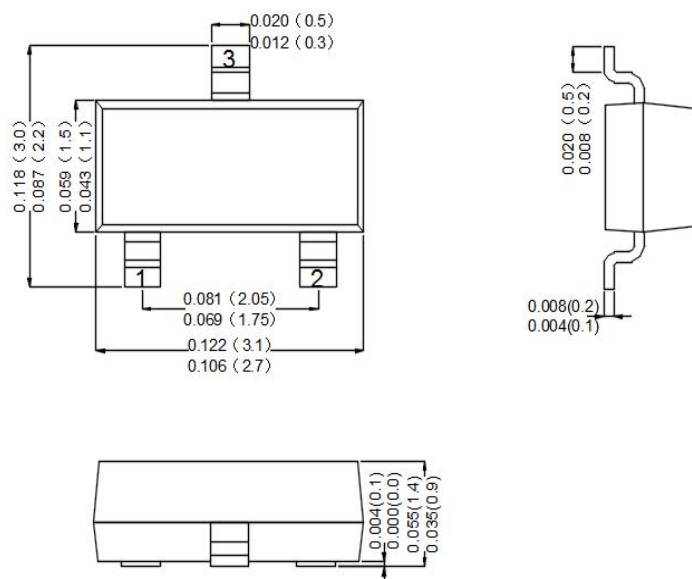
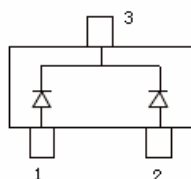
Features

- Small plastic SMD package
- High switching speed: max. 4 ns

SOT-23

Mechanical Data

- Case: Molded Plastic, SOT-23
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Plated Leads Solderable per MIL-STD-750, Method-2026.
- Marking: JA
- Mounting Position : Any.
- Equivalent Circuit:



Dimensions in inches and (millimeters)

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

Parameter	Symbol	Value	Unit
Non-Repetitive Peak reverse voltage DC Blocking Voltage	V_{RM} V_R	50	V
Average Rectified Output Current	I_O	200	mA
Power Dissipation	P_D	225	mW
Thermal Resistance. Junction to Ambient Air	$R_{\theta JA}$	556	°C/W
Junction temperature	T_J	150	°C
Storage temperature range	T_{STG}	-55-150	°C

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R = 5\mu A$	50		V
Reverse voltage leakage current	I_R	$V_R = 50V$		0.1	μA
Forward voltage	V_F	$I_F = 100mA$		1	V
Diode Capacitance	C_D	$V_R = 0, f = 1MHz$		2	pF
Reveres recovery time	t_{rr}	$I_F = I_R = 10mA, R_L = 100\Omega,$ $I_{rr} = 0.1 \times I_R$		4	nS



Rating And Characteristic Curves

Fig1. FORWARD VOLTAGE

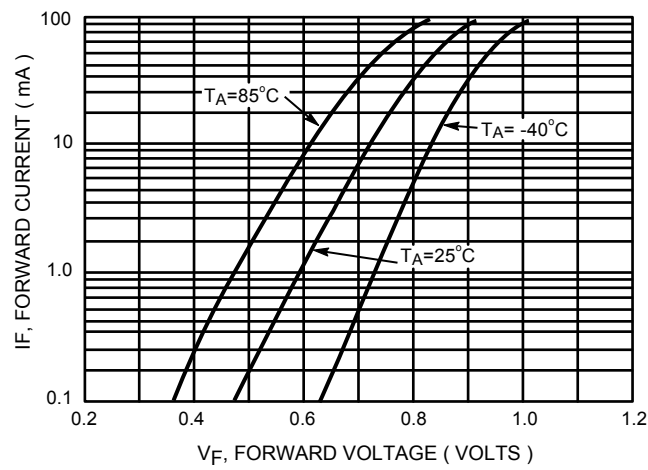


Fig2. LEAKAGE CURRENT

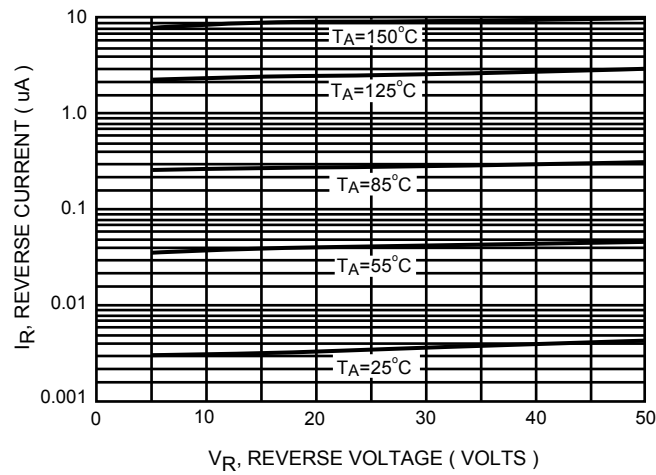
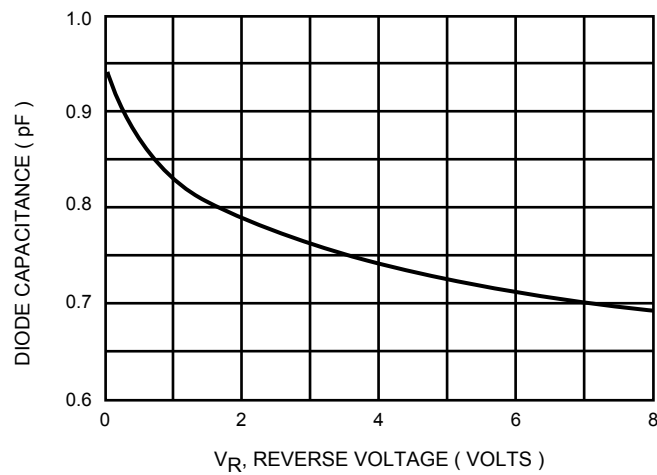


Fig3. CAPACITANCE





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