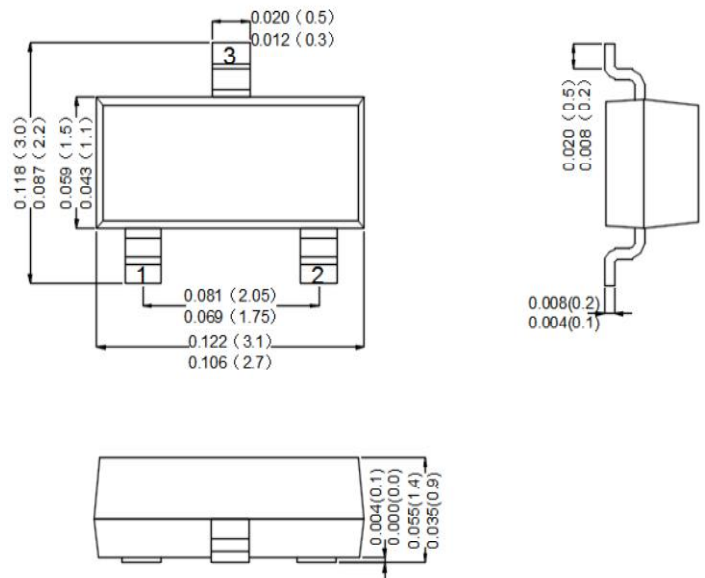
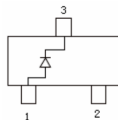


**Features**

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications**
- High Conductance**

**Mechanical Data**

- Case:Molded Plastic,SOT-23
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable perMIL-STD-750,Method-2026.
- Marking: JP
- 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	$V_{RM}$	100	V
Continuous Reverse Voltage	$V_R$	100	V
Continuous Forward Current	$I_F$	200	mA
Thermal Resistance from Junction to Ambient Air	$R_{JA}$	500	/W
Power Dissipation	$P_{tot}$	250	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	- 65 to + 150	°C

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

Parameter	Symbol	Typ.	Max.	Unit
Reverse breakdown Voltage at $I_R = 100 \mu A$	$V_{BR}$	-	100	V
Forward Voltage at $I_F = 100 \text{ mA}$ at $I_F = 200 \text{ mA}$	$V_F$ $V_F$	- -	1 1.25	V V
Reverse Current at $V_R = 100V$	$I_R$	-	100	nA
Junction Capacitance at $V_R = 0, f = 1 \text{ MHz}$	$C_J$	5	-	pF
Reverse Recovery Time at $I_F = I_R = 30 \text{ mA}, i_{rr} = 0.1 I_R$	$t_{rr}$	-	50	ns



### Rating And Characteristic Curves

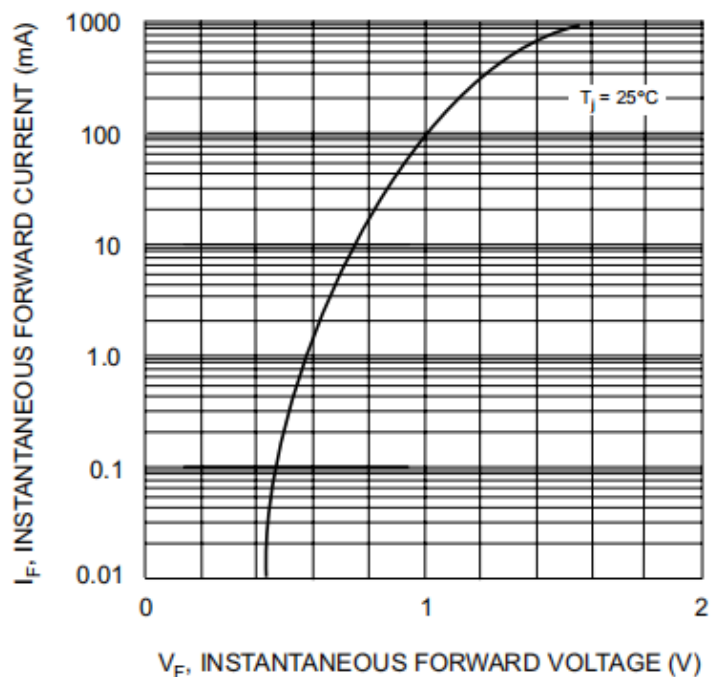


Fig. 1 Forward Characteristics

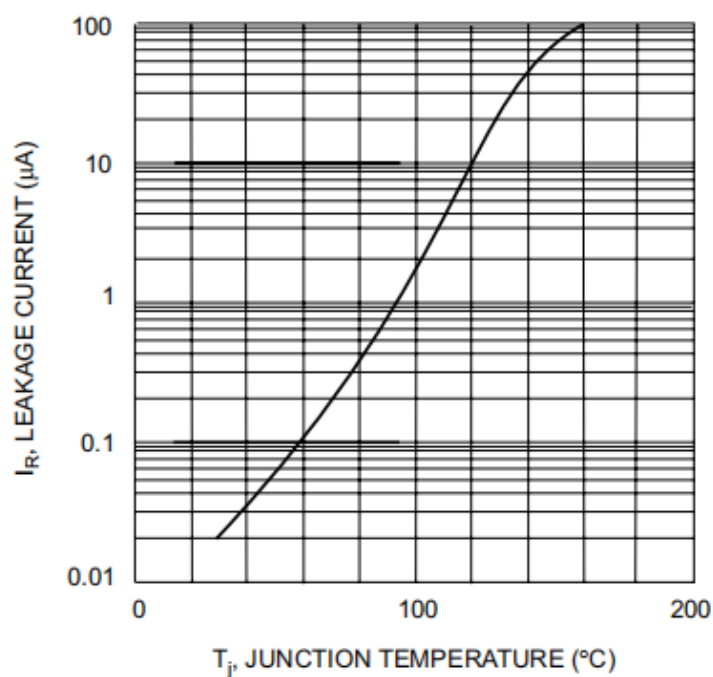


Fig. 2 Leakage Current vs Junction Temperature



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