



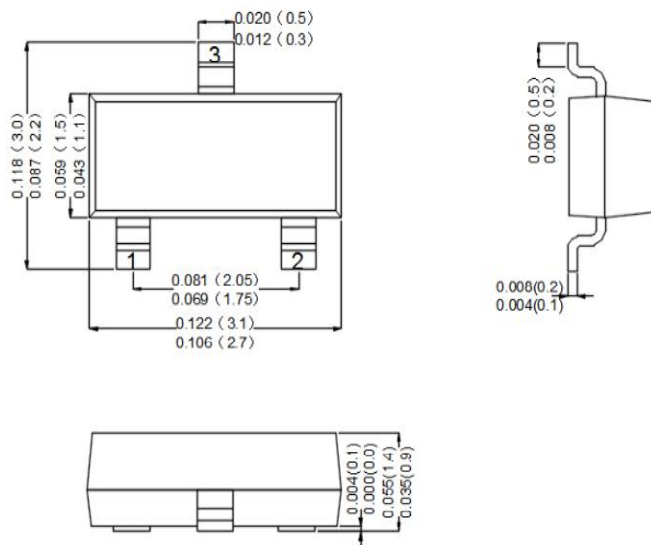
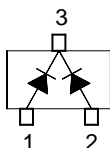
### Features

- Small package
- Low forward voltage
- Fast reverse recovery time
- Small total capacitance

### 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: A4
- Mounting Position : Any.
- Equivalent Circuit:



Dimensions in inches and (millimeters)

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

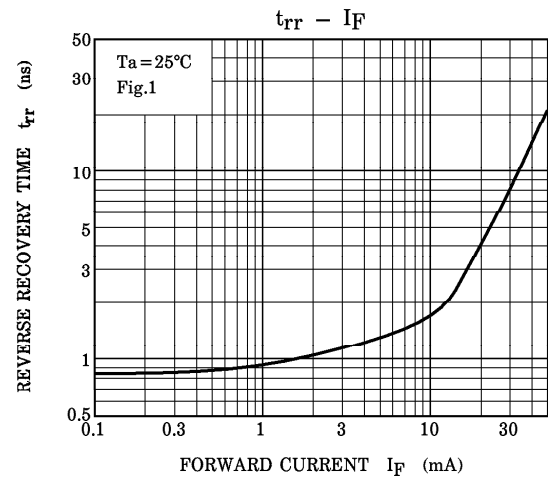
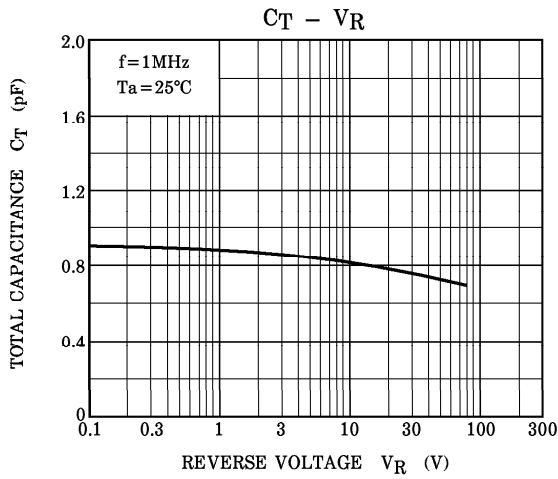
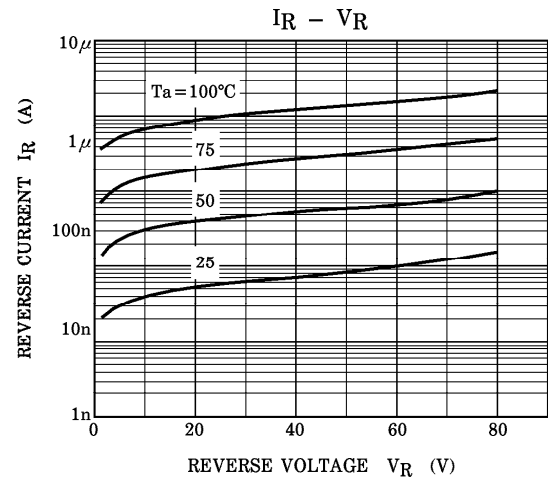
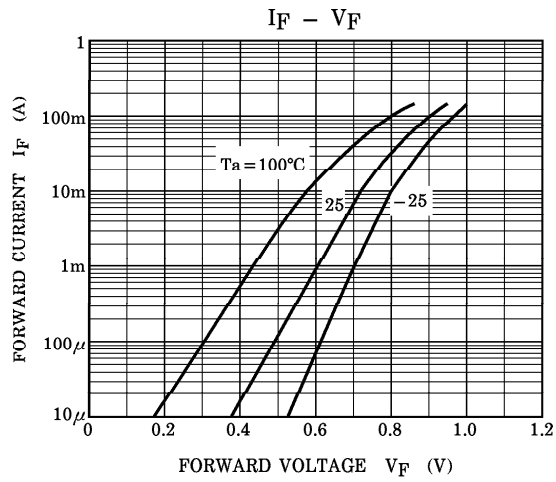
Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	$V_{RM}$	85	V
Reverse Voltage	$V_R$	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Maximum Peak Forward Current	$I_{FM}$	300	mA
Non-repetitive Peak Forward Surge Current (10 ms)	$I_{FSM}$	2	A
Power Dissipation	$P_{tot}$	350	mW
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	- 55 to + 150	°C

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100$ mA	$V_F$	1.2	V
Reverse Current at $V_R = 30$ V at $V_R = 80$ V	$I_R$	0.1 0.5	$\mu$ A
Total Capacitance at $V_R = 0$ , $f = 1$ MHz	$C_T$	3	pF
Reverse Recovery Time at $I_F = 10$ mA	$t_{rr}$	4	ns



### Rating And Characteristic Curves





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