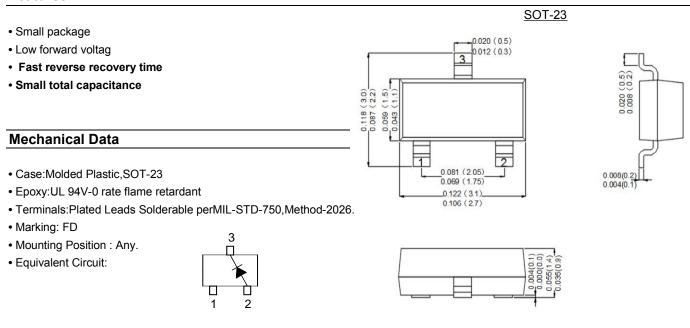


Silicon Epitaxial Planar Switching Diode



#### Dimensions in inches and (millimeters)

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

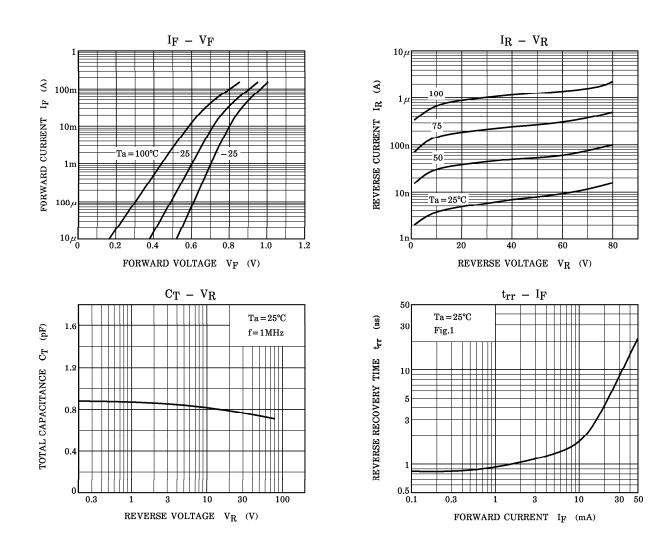
Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V <sub>RM</sub>	85	V
Reverse Voltage	V <sub>R</sub>	80	V
Average Rectified Forward Current	I <sub>F(AV)</sub>	100	mA
Maximum Peak Forward Current	I <sub>FM</sub>	300	mA
Non-repetitive Peak Forward Surge Current (10 ms)	I <sub>FSM</sub>	2	А
Power Dissipation	P <sub>tot</sub>	350	mW
Junction Temperature	Tj	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 150	°C

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

Parameter	Symbol	Max.	Unit
Forward Voltage at I <sub>F</sub> = 100 mA	V <sub>F</sub>	1.2	V
Reverse Current at $V_R = 80 V$	I <sub>R</sub>	0.5	μA
Total Capacitance at $V_R = 0$ , f = 1 MHz	C <sub>T</sub>	3	pF
Reverse Recovery Time at $I_F = 10 \text{ mA}$	t <sub>rr</sub>	4	ns



## **Rating And Characteristic Curves**



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