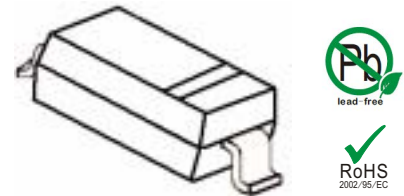


Features

- Low reverse leakage
- Fast switching speed
- Maximum power dissipation of 500 mW
- High stability and high reliability
- Lead plating according with RoHS standard



Mechanical Data

- Case: SOD-323 Molded plastic
- Polarity: Color band denotes cathode end
- Mounting Position: Any

SOD-323

Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

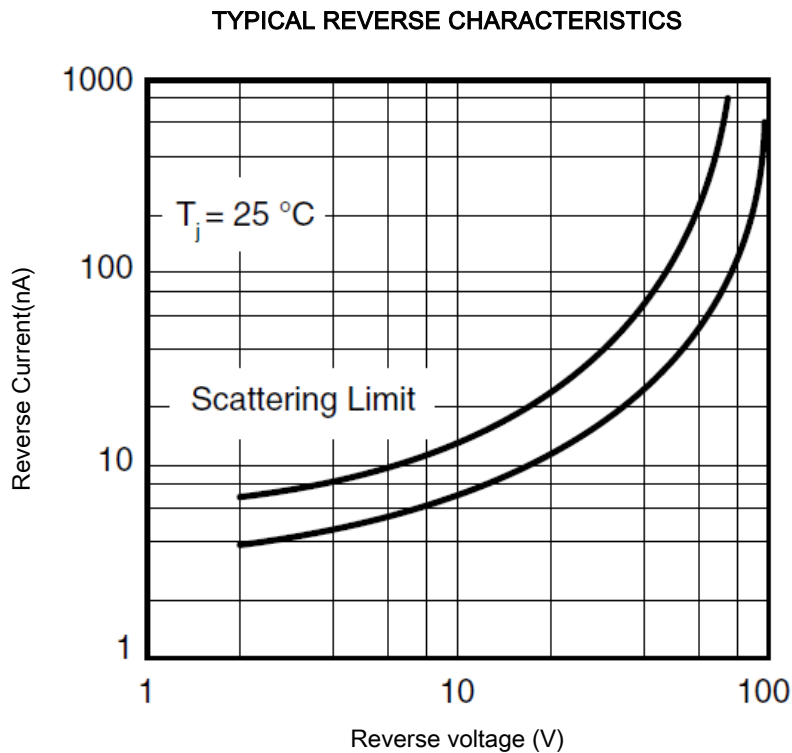
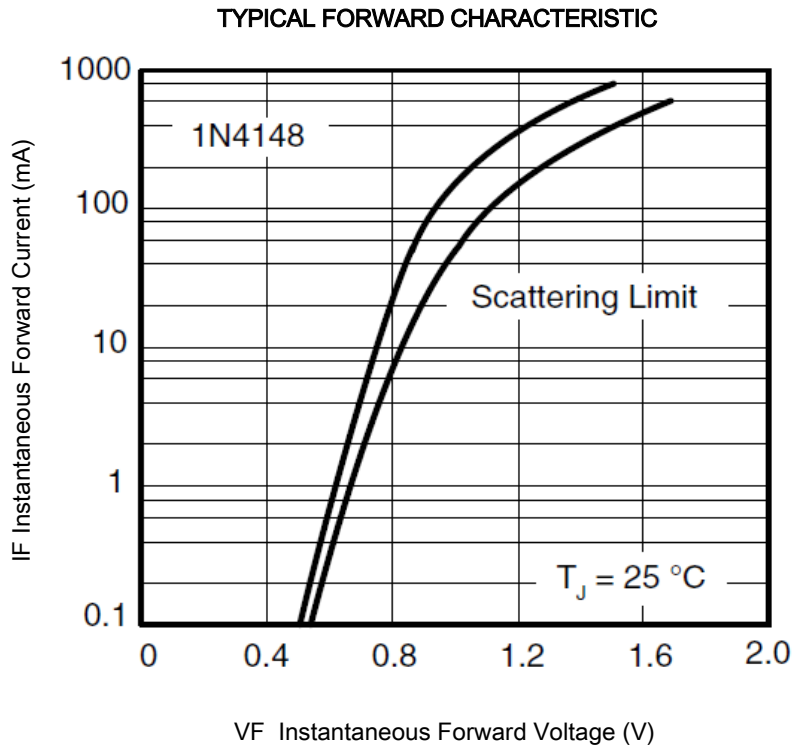
Parameter	Symbols	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_{RRM}	75	V
Maximum Average Forward Current	$I_{F(AV)}$	150	mA
Non-repetitive Peak Forward Surge Current at 1uS t=1uS	I_{FSM}	2	A
Forward Voltage IF=10mA	V_{FM}	1.0	V
Reverse Current VR=75V	I_{RM}	5	uA
Junction Capacitance (Note 1)	C_J	4.0	pF
Reverse Recovery Time (Note 2)	T_{RR}	4.0	nS
Power Dissipation	P_D	200	mW
Type Thermal Resistance	$R_{\theta JA}$	625	°C/W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-65 --- +150	°C

Note:

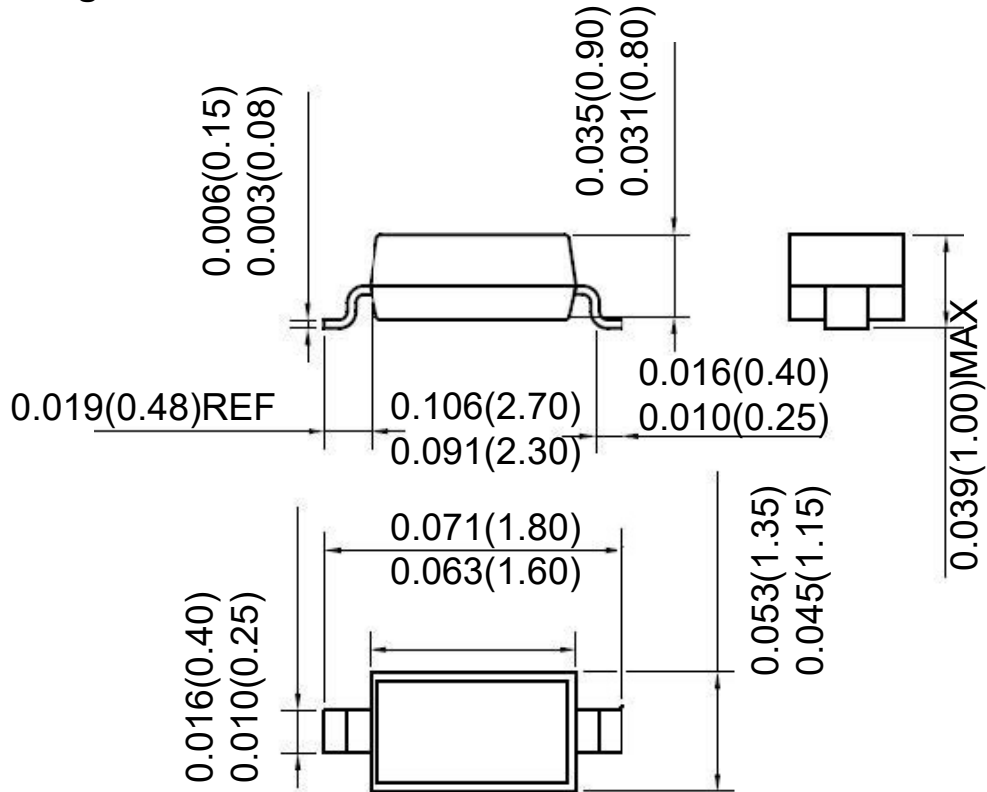
1) C_J at $V_R=0$, $f=1.0\text{MHZ}$;

2) $I_F=10\text{mA}$ to $I_R=1.0\text{mA}$, $V_R=6.0\text{V}$, $R_L=100\Omega$;

Characteristic Curves



Package Outline



Package Information

Qty: 3,000/Tape and reel