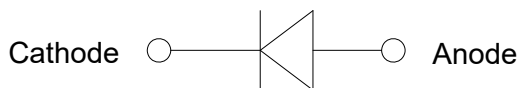


Small Signal Fast Switching Diode

1N4148WS SOD-323



Marking:T4

Features

- Fast switching Speed.
- Electrically Identical to Standard JEDEC
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion.

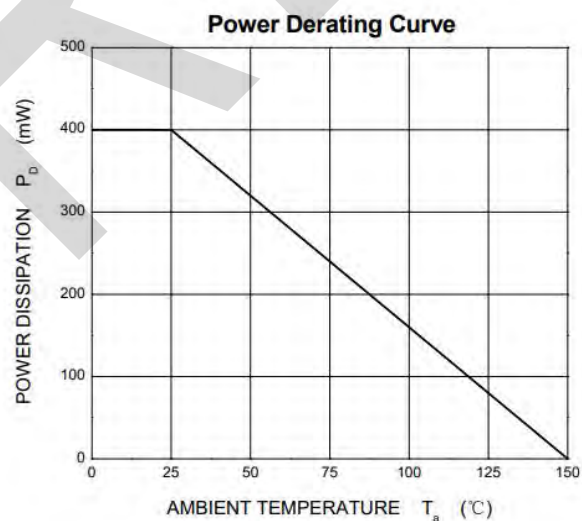
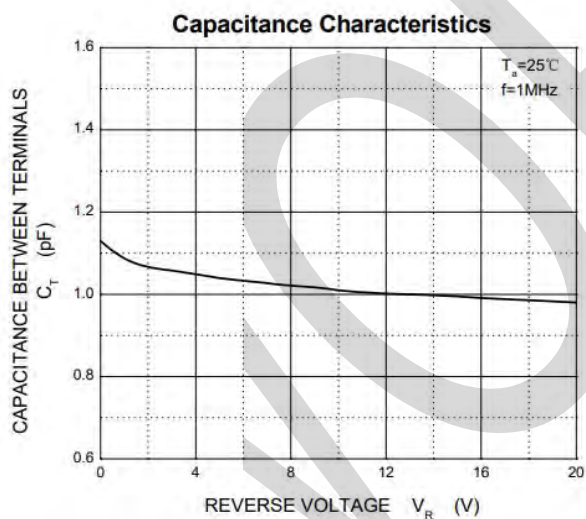
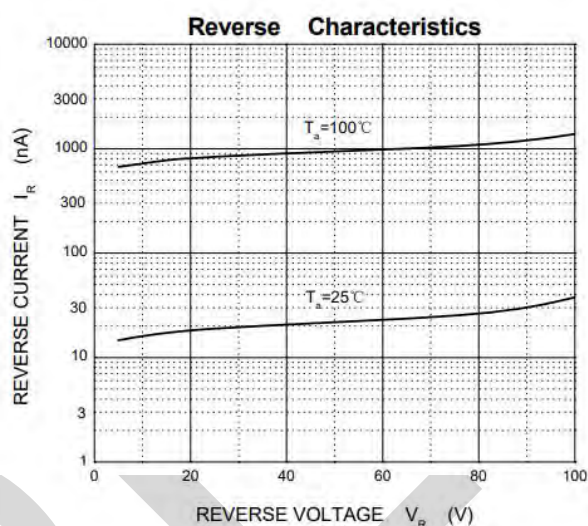
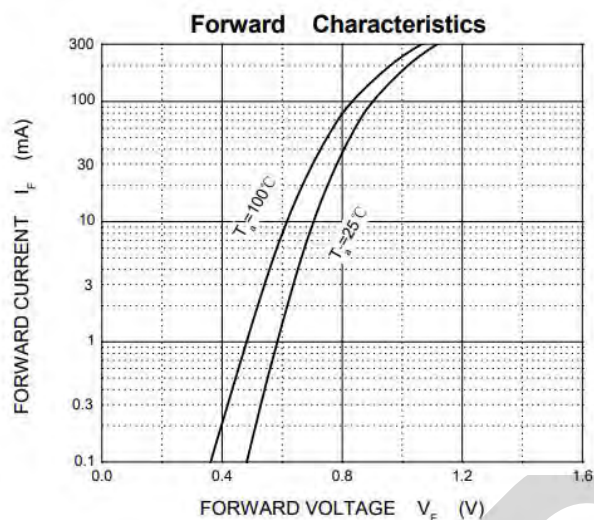
Mechanical Data

- Package: SOD-323
- Lead: lead solderable per MIL-STD-202, method 208 guaranteed
- Polarity: Color band denotes cathode end

■Maximum Ratings (T_a=25°C Unless otherwise specified)

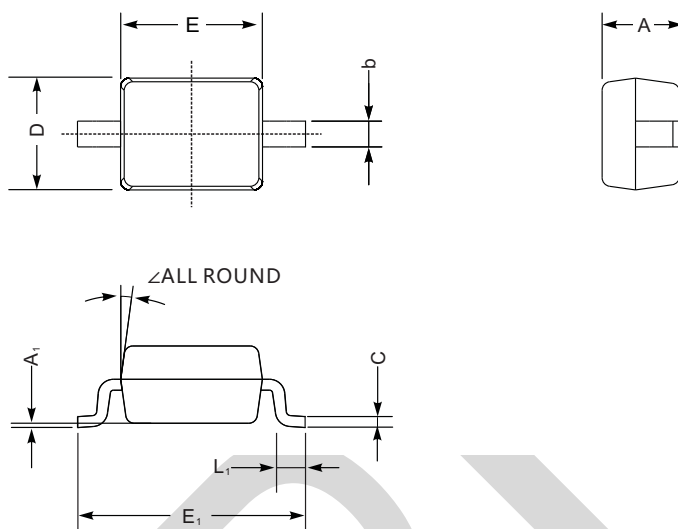
Parameter	Symbols	1N4148WS	Units
Maximum Repetitive Peak Reverse Voltage	VRRM	100	V
Power dissipation	Pd	400	mW
Operating junction Temperature	Tj	150	°C
Storage Temperature Range	Tstg	-55 ~ +150	°C
Thermal Resistance From Junction to Ambient	RθJA	312	°C/W
Average Rectified Output Current	I _o	150	mA
Non-repetitive Peak Forward Current	IFM	300	mA
Reverse Recovery Time. IF=0.5A, IR=1A, IRR=0.25A (Type)	Trr	4.0	ns
Peak Forward Surge Current @tp=1us, TA=25°C	IFSM	2	A
Maximum Forward Voltage at 10mA and 25°C	VF	0.85	V
Maximum Forward Voltage at 0.15A and 25°C	VF	1.25	V
Maximum DC Reverse Current @TA=25°C	IR	25@VR=25V 100@VR=75V	nA
Typical Junction Capacitance (VR=0V, f=1MHz)	Cj	4.0	pF

RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



PACKAGE OUTLINE DIMENSIONS

Note: unit mm(Mil)



UNIT		A	C	D	E	E ₁	b	L ₁	A ₁	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	
	min	32	3.1	47	55	100	9.8	7.9	—	

The recommended mounting pad size

