















ESD

TVS

MOS

LDO

Diode

Sensor

DC-DC

Product Specification

Domestic Part Number	1N4148WS
Overseas Part Number	1N4148WS
▶ Equivalent Part Number	1N4148WS





FEATURES

- For surface mounted applications
- Glass Passivated Chip Junction
- Fast reverse recovery time
- Ideal for automated placement
- Lead free in comply with EU RoHS 2011/65/EU directives

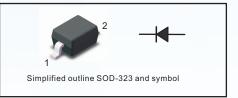
MECHANICAL DATA

Case: SOD-323

•Terminals: Solderable per MIL-STD-750, Method 2026

PINNING

PIN	DESCRIPTION	
1	Cathode	
2	Anode	



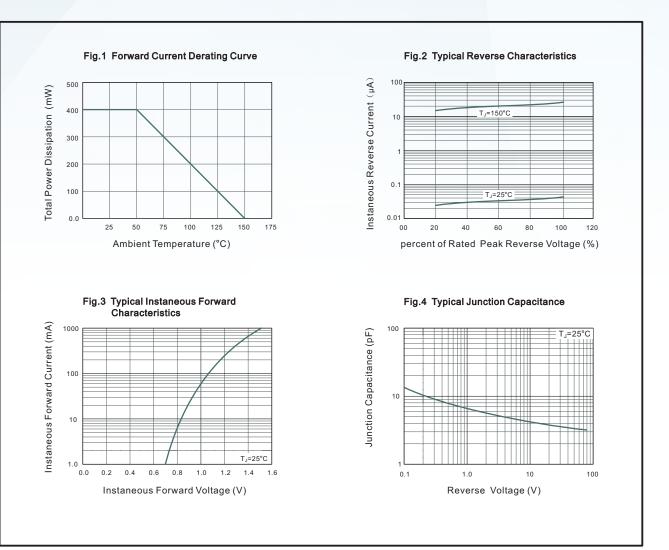
Absolute Maximum Ratings at 25 °C

Parameter	Symbols	1N4148WS	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Maximum RMS voltage	V_{RMS}	75	V
Continuous Forward Current	I _F	300	mA
Non-reptitive Peak Forward Surge Current at 1ms	I _{FSM}	4	А
Total Power Dissipation	P _{tot}	400	mW
Operating and Storage Temperature Range	Tj, T _{stg}	-55 ~ +150	°C

Characteristics at Ta = 25 °C

Paramete	er	Symbols	1N4148WS	Units
Reverse BreakdownVoltage	e at I _R =1μA	$V_{(BR)R}$	75	V
Maximum Forward Voltage	at 1 m A at 10 m A at 50 m A at 150 m A	V _F	0.715 0.855 1.00 1.25	V
Peak Reverse Current	at V_R =20V T_j =25°C at V_R =75V T_j =25°C at V_R =25V T_j =150°C at V_R =75V T_j =150°C	I _R	0.025 1 30 50	μΑ
Typical Junction Capacitano	ce	C _j	5	pF
Maximum Reverse Recovery Time		t rr Typical	8	ns



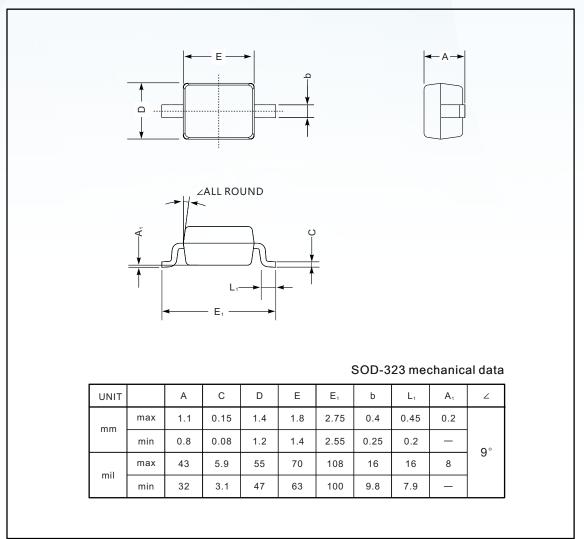




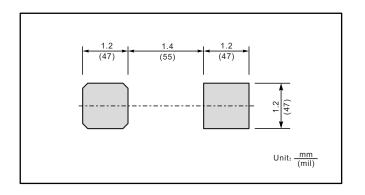
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



The recommended mounting pad size



Marking

Type number	Marking code
1N4148WS	T4



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