GOODWORK

1N4148WS

0.15 AMP SURFACE MOUNT SILICON RECTIFIERS

FEATURES

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance

MECHANICAL DATA

* Case: Molded plastic
* Lead: Axial leads, solderable per MIL-STD-750, method 2026
* Polarity:Polarity symbols marked on case
* Marking: T4,T6

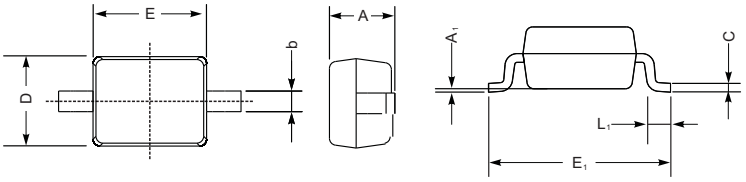
VOLTAGE RANGE

100Volts

CURRENT

0.15 Ampere

SOD323



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
	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	63	100	9.8	7.9	—

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

TYPE NUMBER		1N4148WS	UNITS
Maximum Recurrent Peak Reverse Voltage		100	V
Maximum RMS Voltage		70	V
Maximum DC Blocking Voltage		100	V
Maximum Average Forward Rectified Current See Fig. 1		0.15	A
Peak Forward Surge Current	@ t=1.0 μs	2.0	A
	@t =1.0s	1.0	
Maximum Instantaneous Forward Voltage at 0.15A		1.25	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ta=25°C	1	μA
Typical Junction Capacitance		2	pF
Total Power Dissipation		400	mW
Maximum Reverse Recovery Time (TRR typical)		8	ns
Operating Temperature Range T_J		-55 to +150	°C
Storage Temperature Range T_{STG}		-55 to +150	°C

RATING AND CHARACTERISTIC CURVES 1N4148WS