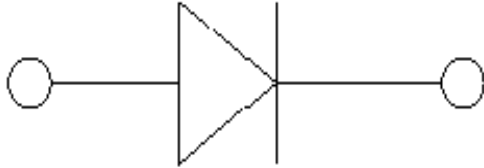
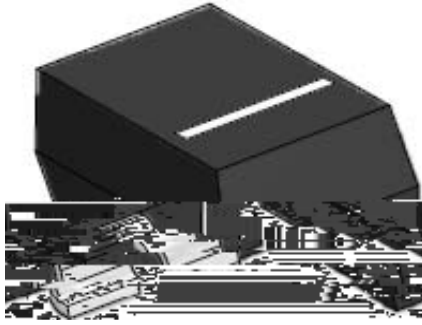


High Speed Switching Diode



Features

- V_R 75V
- I_{FAV} 250mA

Typical Applications

- Extreme fast switches

Mechanical Data

- **Package:** SOD323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** T5

■Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
DC Blocking Voltage	V_R	V	$I_R=100\mu A$	75
Peak forward surge current	I_{FSM}	A	$t_p=1\mu s$	2
Average forward current	I_{FAV}	mA		250

Power dissipation] ^ · M -55 to +150

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■Electrical Characteristics ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Forward voltage	V_F	V	$I_F=5.0mA$	0.720
			$I_F=10mA$	0.855
			$I_F=100mA$	1
			$I_F=150mA$	1.25
Maximum Reverse current	I_R	nA	$V_R=20V$	25
		μA	$V_R=25V, T_J=150$	30
		nA	$V_R=75V$	200
		μA	$V_R=75V, T_J=150$	50
Minimum Breakdown voltage	V_R	V	$I_R=1\mu A$	75
Maximum Diode capacitance	C_D	pF	$V_R=V_F=0V, f=1MHz$	4
Maximum Reverse recovery time	t_{rr}	ns	$I_F=10mA, I_{rr}=0.1I_R, R_L=100\Omega$	4

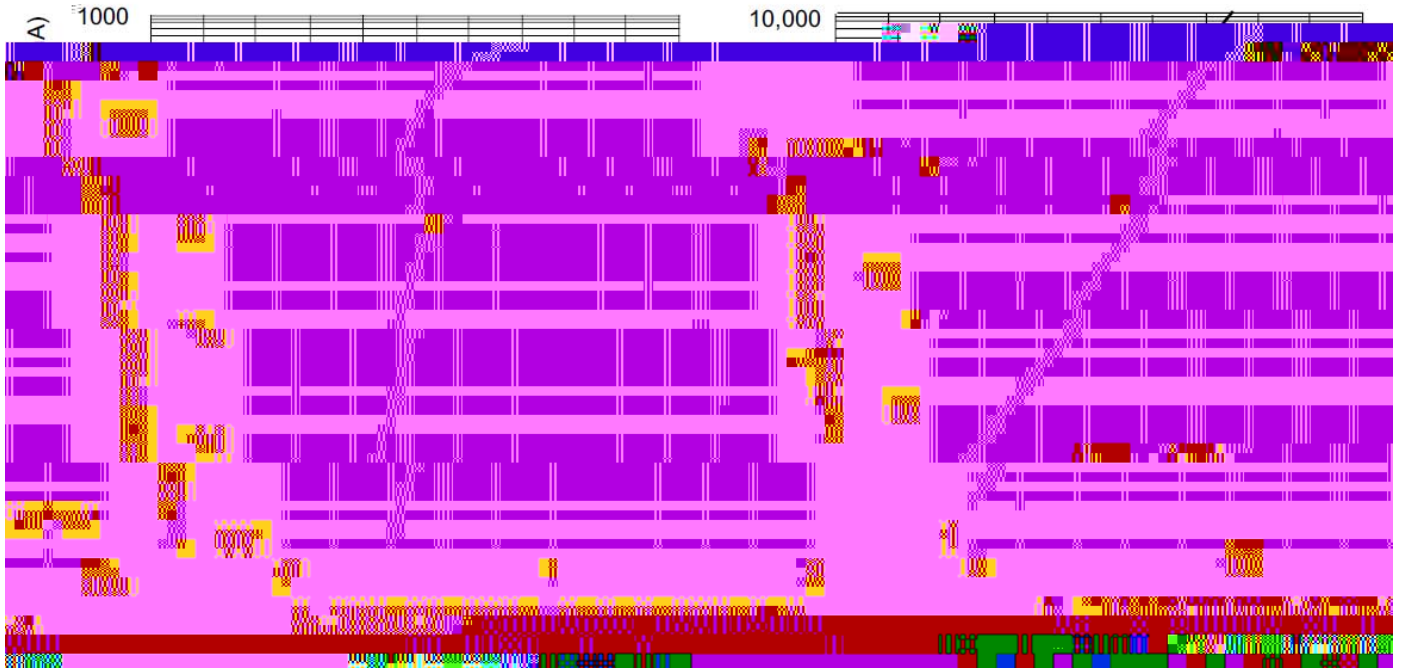


1N4448WS

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4448WS	F2	Approximate 0.0048	3000	30000	120000	7" reel

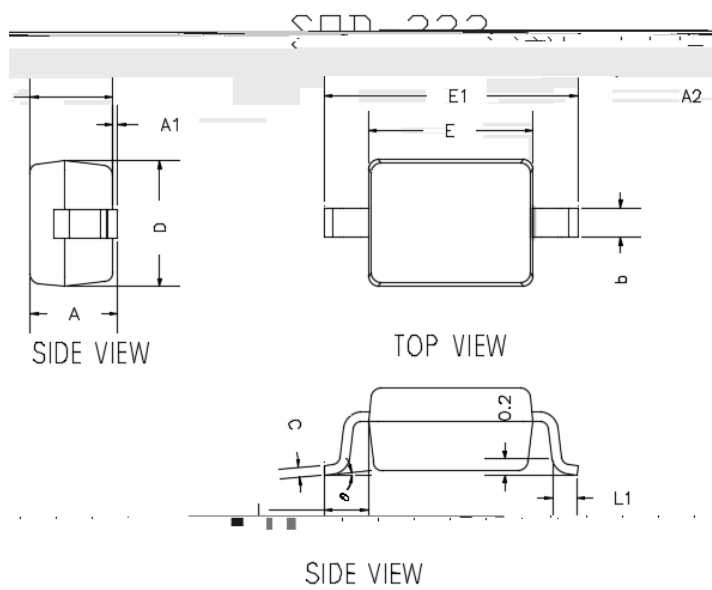
■Characteristics (Typical)





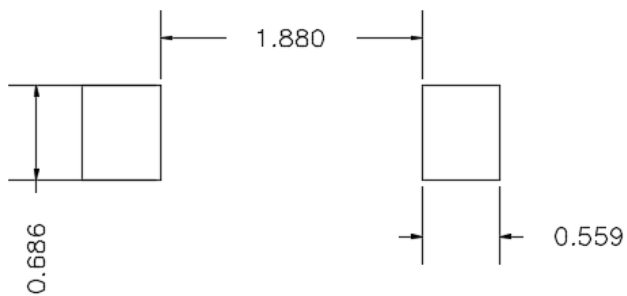
1N4448WS

■Outline Dimensions



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000
D	0.1500	0.1875	3.8100	4.7625
E	1.4000	1.4720	35.5510	37.4000
E1	1.8000	1.8629	45.7000	47.2800
P	2.7000	2.7984	68.5800	71.0000
L1	0.400	0.0098	10.16	0.250
C	8°	8°	8°	8°

■Soldering Footprint



UNIT: mm

SUGGESTED SOLDER PAD LAYOUT



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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