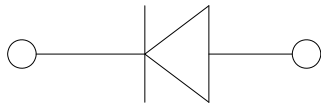
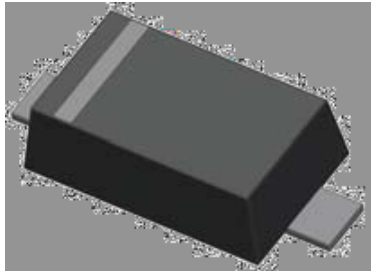




# 1N4448WT

RoHS  
COMPLIANT

## Small-Signal Fast Switching Diodes



### Features

VR 75V  
I<sub>F(AV)</sub> 250mA

### Typical Applications

Ex M M itches

### Mechanical Data

Package: SOD523

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Marking: E2

### Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Non-Repetitive Peak Reverse Voltage	V <sub>RM</sub>	V		100
Repetitive peak reverse voltage	V <sub>RRM</sub>	V		75
Reverse voltage	V <sub>R</sub>	V	IR=100uA	75
Peak forward surge current	I <sub>FSM</sub>	A	Pulse width=1 us Pulse width=1 s	2 0.5
Average forward current	I <sub>FAV</sub>	mA		250
Power dissipation	P <sub>tot</sub>	mW		150
Max	...			

	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V <sub>R</sub>	V	IR=5uA	75	
Forward Voltage	V <sub>F</sub>	V	IF=5mA	0.62	0.72
			IF=10mA		0.855
			IF=100mA		1.00
			IF=150mA		1.25
Reverse Leakage Current	I <sub>R1</sub>	nA	VR=20V		25
	I <sub>R2</sub>	uA	VR=75V		2.5
Capacitance	C	pF	VR=0V,f=1MHz		4
Reverse Recovery Time	T <sub>rr</sub>	ns	IF=IR=10mA ÈIrr=0.1*IR, RL=100		4

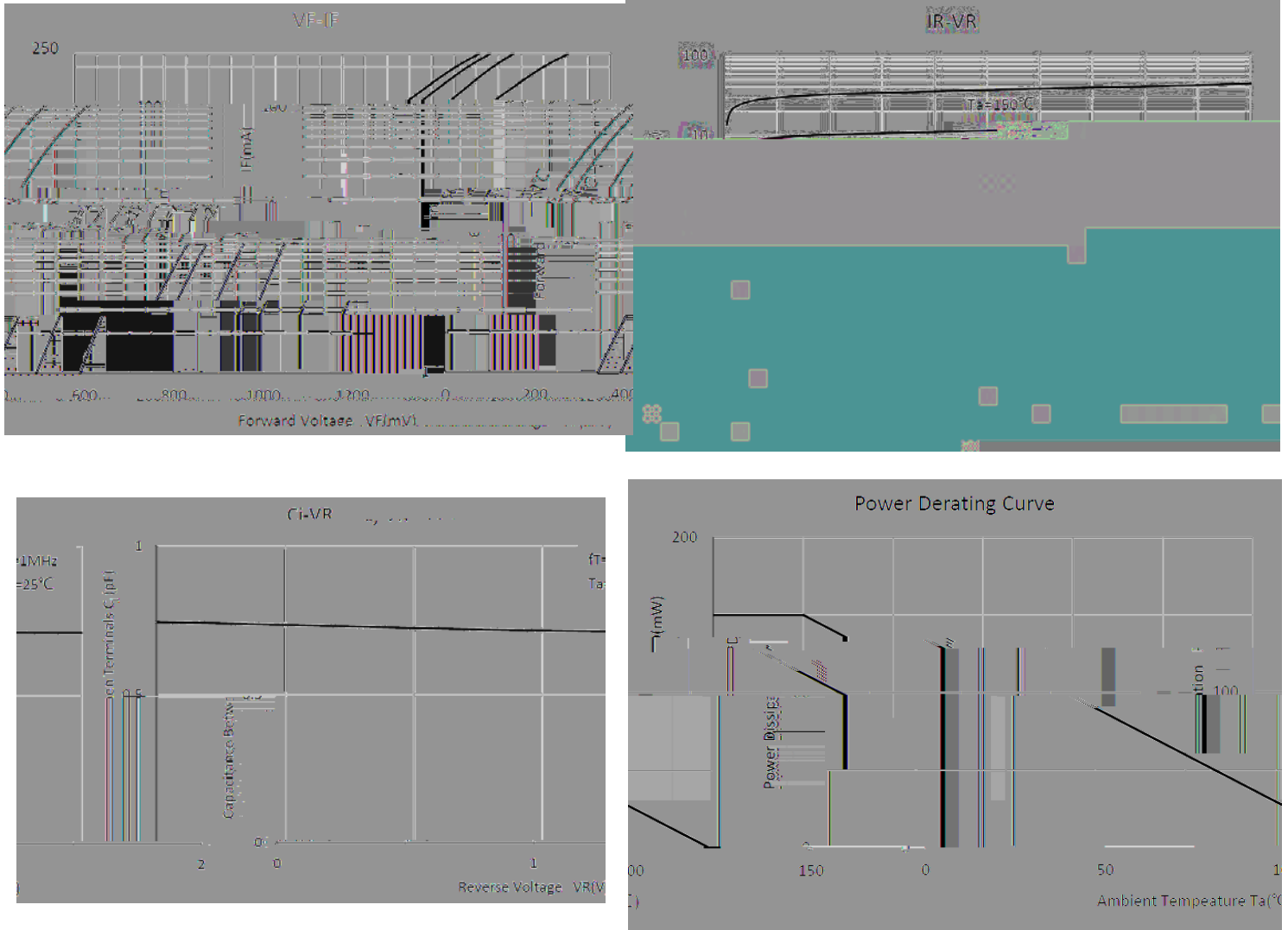


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## Ordering Information (Example)

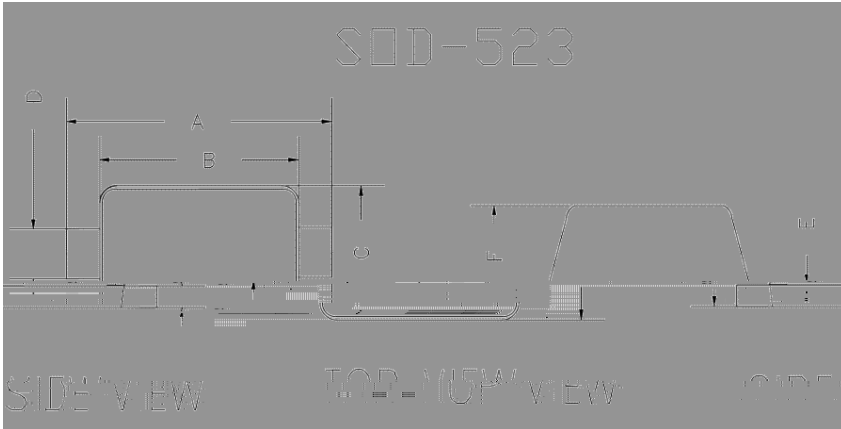
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4448WT	F2	Approximate 0.002	8000	80000	320000	7" reel

## Characteristics (Typical)





## Outline Dimensions



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.500	1.700
B	0.043	0.051	1.100	1.300
C	0.011	0.028	0.354	0.720
D	0.050	0.060	0.014	0.250
E	0.000	0.002	0.008	0.050
F	0.090	0.098	0.000	0.200

## Soldering Footprint





# 1N4448WT

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## Disclaimer

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