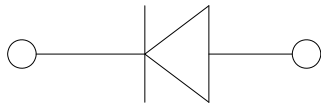
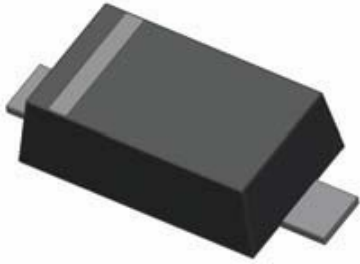




1N4448WT

RoHS
COMPLIANT

Small-Signal Fast Switching Diodes



Features

VR 75V
IFAV 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 (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Non-Repetitive Peak Reverse Voltage	VRM	V		100
Repetitive peak reverse voltage	VRRM	V		75
Reverse voltage	VR	V	IR=100uA	75
Peak forward surge current	IFSM	A	Pulse width=1 us Pulse width=1 s	2 0.5
Average forward current	IFAV	mA		250
Power dissipation	Ptot	mW		150
Max	...			

	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	VR	V	IR=5uA	75	
Forward Voltage	VF	V	IF=5mA	0.62	0.72
			IF=10mA		0.855
			IF=100mA		1.00
			IF=150mA		1.25
Reverse Leakage Current	IR1	nA	VR=20V		25
	IR2	uA	VR=75V		2.5
Capacitance	C	pF	VR=0V,f=1MHz		4
Reverse Recovery Time	Trr	ns	IF=IR=10mA ÈIrr=0.1*IR, RL=100		4

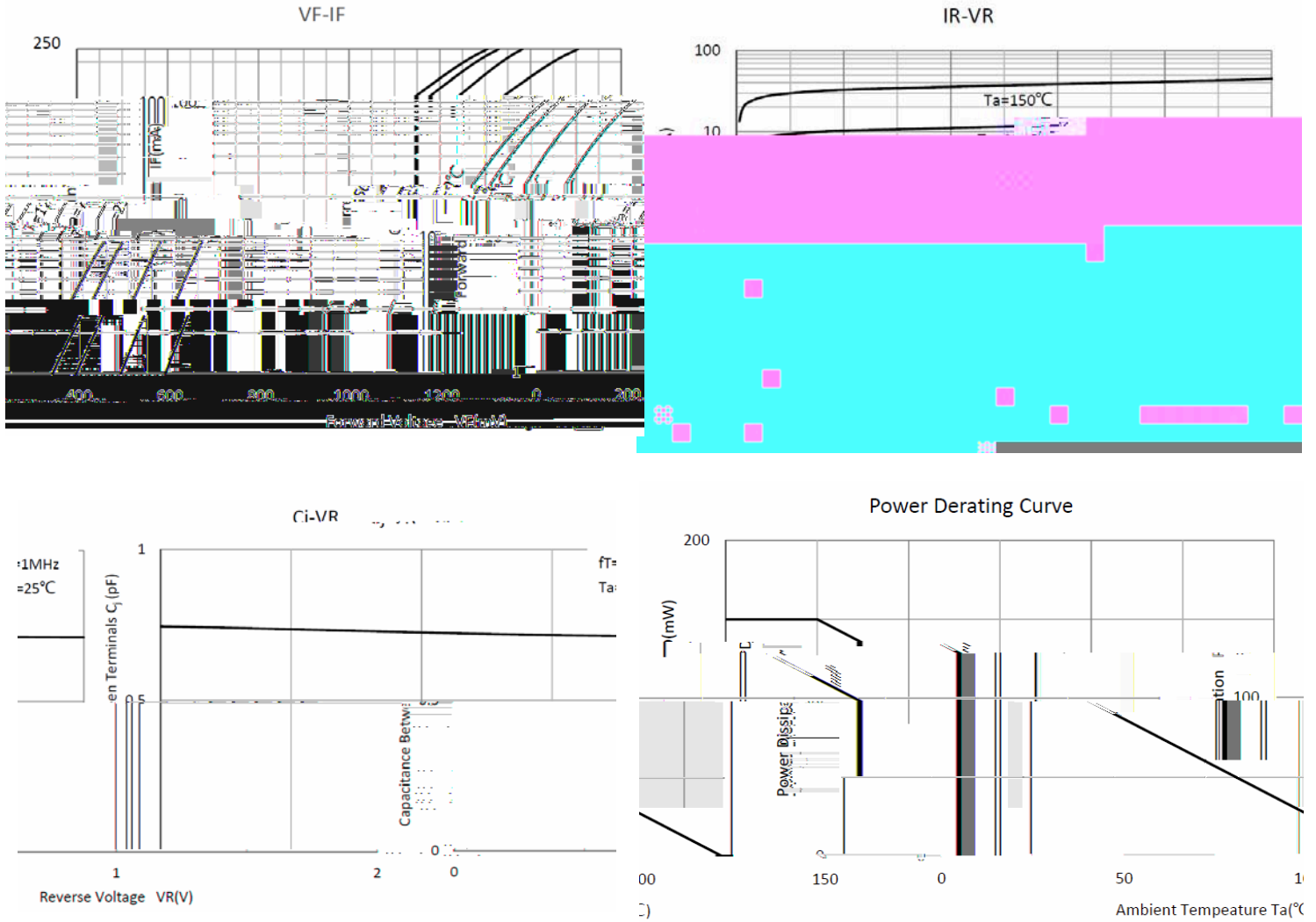


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Ordering Information (Example)

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

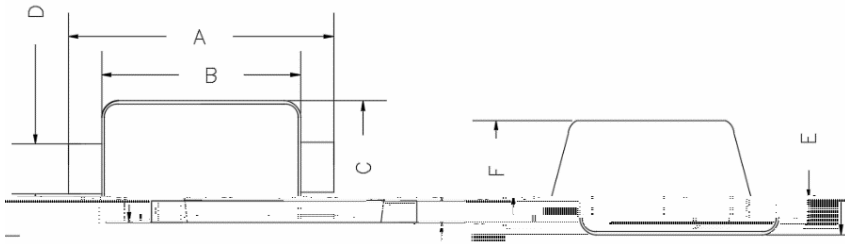
Characteristics (Typical)





Outline Dimensions

SOD-523

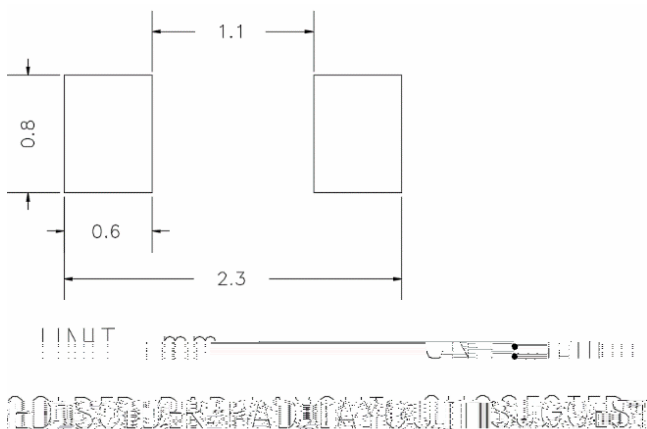


LEFT SIDE VIEW

TOP VIEW

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	0.028	0.035	0.700	0.900
D	0.010	0.014	0.250	0.350
E	0.002	0.008	0.050	0.200
F	0.028	0.001	0.700	0.000

Soldering Footprint





1N4448WT

Disclaimer

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