

## General Characteristics



### Moisture Sensitivity

- Moisture sensitivity level 1
- Reverse voltage 85V
- Average forward current 150mA

### High Frequency

- High freq



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

Unless otherwise specified (T<sub>a</sub>=25°C)

Device marking code	Reverse Voltage	Current	Part Number
			T4

Repetitive peak reverse voltage

V<sub>RRM</sub> t=8.3ms half-sine wave

Non-repetitive surge peak forward current @ t=1ms square wave	I <sub>FSM</sub>	A	1
Power dissipation	P <sub>D</sub>	mW	100
Junction temperature	T <sub>J</sub>		-55 to +150
Storage temperature	T <sub>STG</sub>		-55 to +150



# 1N4148WDP

RoHS  
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DUfU a YhYf'	Gma Vc''	I b]h'	7cbX]h]cbg'	A]b'	Hmd'	AUI'
Reverse voltage	$V_R$	V	$I_R=0.1\text{mA}$	85		
Forward voltage	$V_{F1}$	V	$I_F=1\text{mA}$			0.715
	$V_{F2}$	V	$I_F=10\text{mA}$			0.855
	$V_{F3}$	V	$I_F=50\text{mA}$			1.0
	$V_{F4}$	V	$I_F=150\text{mA}$			1.25
Reverse leakage current	$I_{R1}$	nA	$V_R=20\text{V}$			25
	$I_{R2}$	uA	$V_R=75\text{V}$			1
Junction capacitance	$C_j$	pF	$V_R=0\text{V}, f=1\text{MHZ}$			4
Reverse recovery time	$T_{rr}$	ns	$I_F=10\text{mA}, V_R=6\text{V},$ $I_{rr}=1\text{mA}, R_L=100$			4

DUfU a YhYf'	Gma Vc''	I b]h'	JU' i Y'
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Thermal resistance, junction-to-ambient

R

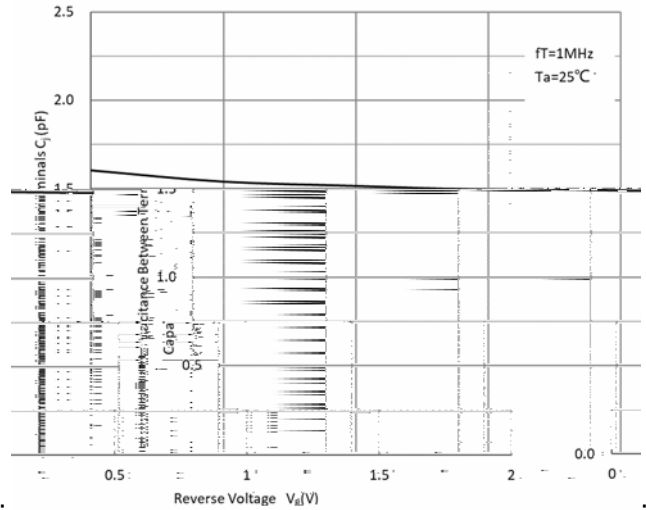
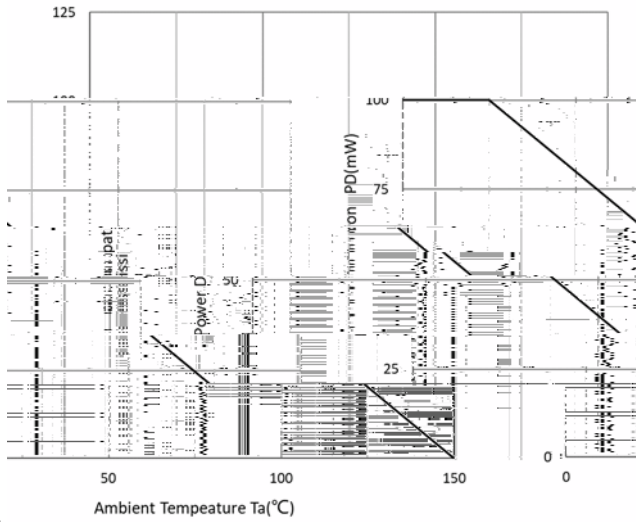


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7 \ UfUWhYf]gh]Wg

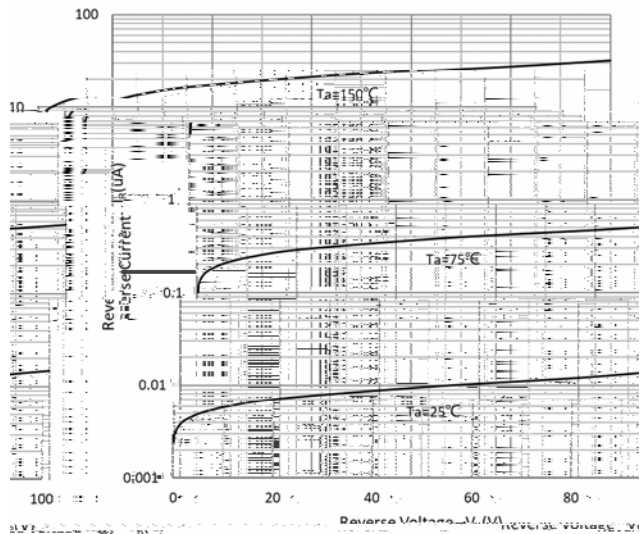
:][[% D8!HU'7 ifjY' ..... :][& 7UdUW]hUbWY'7UdUVY']hm'



:][[' Hmd]WU' : cf kUfX' 7 \ UfUWhYf]gh]Wg



:][(' Hmd]WU' FYjYfgY' 7 \ UfUWhYf]gh]Wg





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DfYZYffYX'D#B`	DUW_]b[ `` WcXY`	l b]i' k Y][ \ hfl a [L`	A]b] a i a ` dUW_U[YfidWgt	-bbYf`Vc l`
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