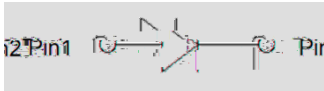
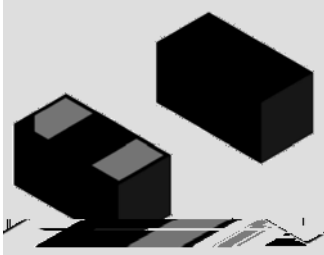




1N4148WDP

RoHS
COMPLIANT

General Description



Key Features

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

Applications

- High freq

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

Unless otherwise specified (Ta=25°C)

Parameter	Symbol	Unit	Value
Device marking code			T4
Repetitive peak reverse voltage	V_{RRM}	V	85
			t=8.3ms half-sine wave
Non-repetitive surge peak forward current @ t=1ms square wave	I_{FSM}	A	1.5
Power dissipation	P_D	mW	100
Junction temperature	T_J	°C	-55 to +150
Storage temperature	T_{STG}	°C	-55 to +150



1N4148WDP

RoHS
COMPLIANT

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

DUfU a YhYf'	Gma Vc''	I b]h'	JU' i Y'
--------------	----------	--------	----------

Thermal resistance, junction-to-ambient

R

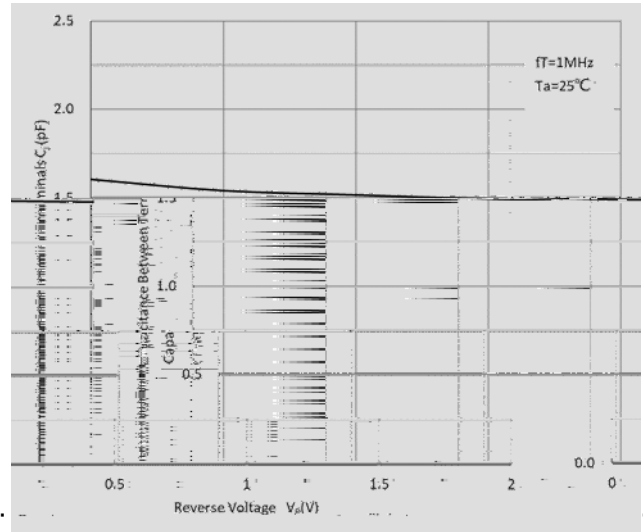
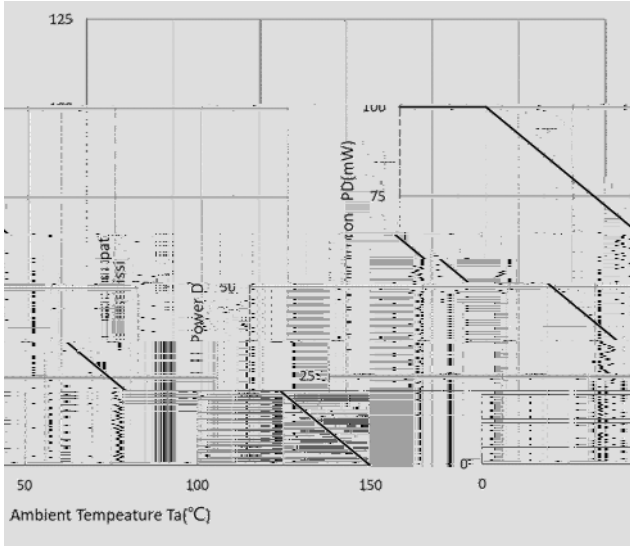


1N4148WDP

RoHS
COMPLIANT

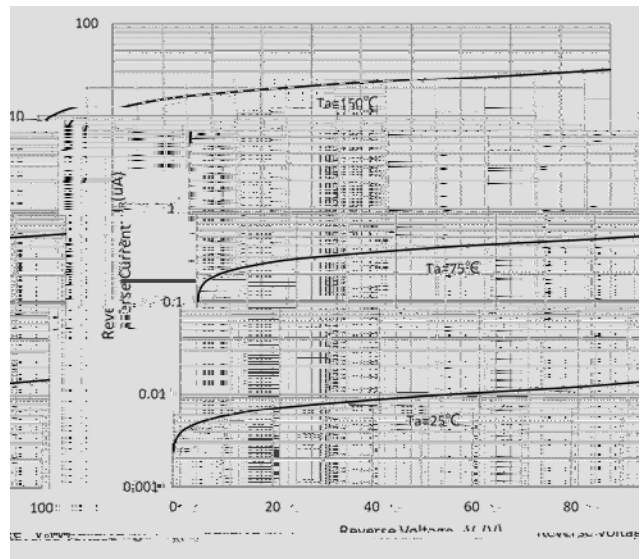
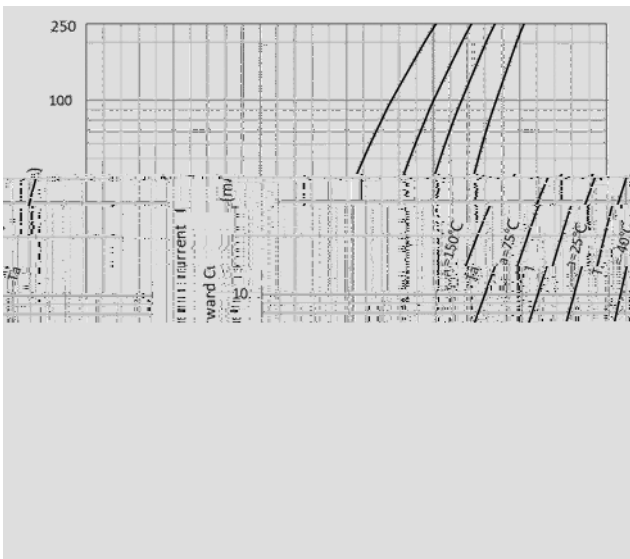
7 \UfUWhYf]gh]Wg

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



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

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





1N4148WDP

RoHS
COMPLIANT

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`
----------------	---------------------	-------------------------	-------------------------------	-------------

1N4148WDP
