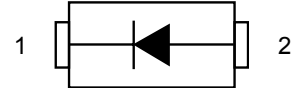


Description

The 1N1D4148 is a switching diode
Pb-Free Packages are available

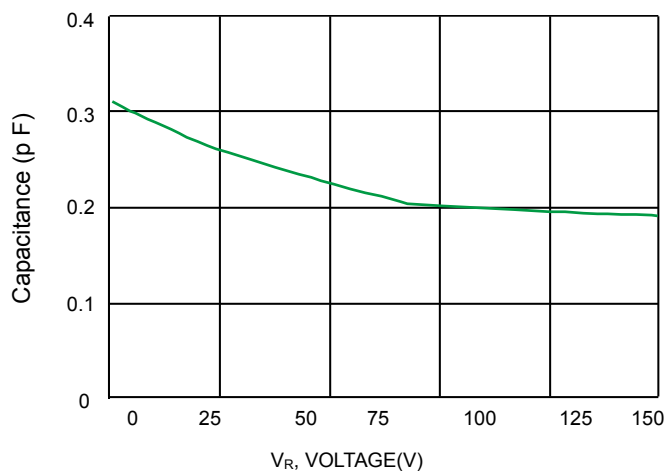
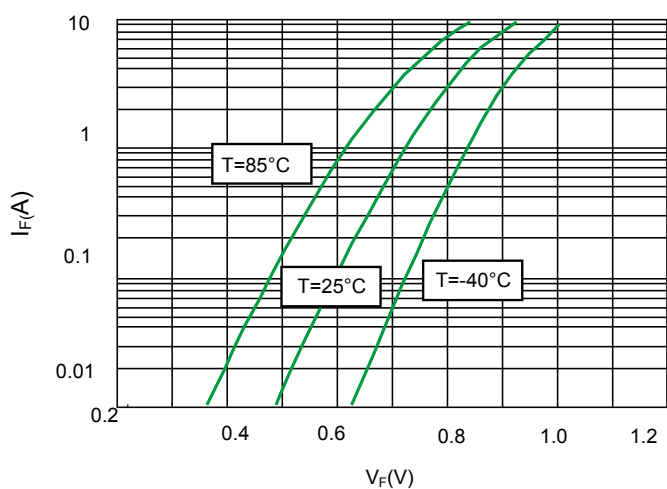

Electrical characteristics per line@25°C (unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Peak Reverse Voltage	V_{RM}	$I_R = 100\mu A$	100			V
Reverse Voltage	V_R	$I_R = 100\mu A$	75			V
Reverse Leakage Current	I_R	$V_{RWM} = 20V T=25^\circ C$			0.1	μA
		$V_{RWM} = 20V T=150^\circ C$			30	μA
		$V_{RWM} = 75V T=25^\circ C$			0.5	μA
		$V_{RWM} = 75V T=150^\circ C$			50	μA
Forward Voltage	V_F	$I_F = 10mA$			1.0	V
Repetitive Peak Forward Current	I_{FRM}				300	mA
Continuous Forward Current	I_O				150	mA
Reverse Recovery Time	t_{rr}	$I_F = I_R = 10mA$			4.0	ns
Diode Capacitance	C	$V_R = 0V f = 1MHz$			4.0	pF

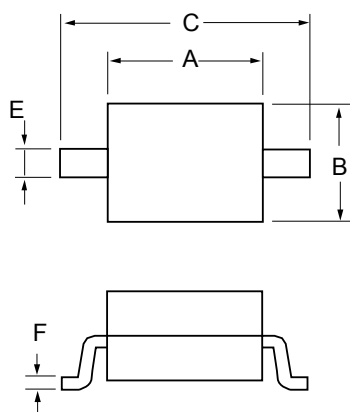
Typical Characteristics

Rating	Symbol	Value	Units
Lead Soldering Temperature	T_L	260 (10 sec)	$^\circ C$
Operating Temperature	T_J	-55 to +125	$^\circ C$
Storage Temperature	T_{STG}	-55 to +150	$^\circ C$

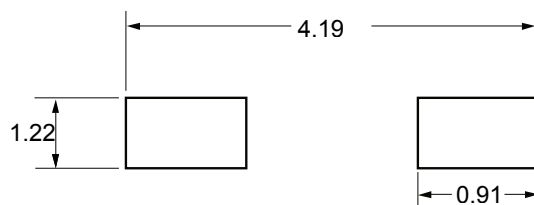
Typical Characteristics



Product dimension (SOD-123)



Dim	Inches		Millimeters	
	MIN	MAX	MIN	MAX
A	0.100	0.112	2.54	2.84
B	0.055	0.071	1.40	1.80
C	0.140	0.152	3.56	3.86
D	0.037	0.053	0.94	1.35
E	0.020	0.028	0.51	0.71
F	-	0.006	-	0.15
H	0.000	0.004	0.00	0.10




Unit:mm

Ordering information

Device	Package	Shipping
1N1D4148	SOD-123 (Pb-Free)	3000 / Tape & Reel


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