

1N4148
SILICON PLANAR DIODE

**SILICON
EPITAXIAL
PLANAR
DIODE**

ONE PIECE GLASS—HERMETICALLY SEALED

ABSOLUTE MAXIMUM RATINGS

CHARACTERISTICS @ 25°C:		UNITS
Storage Temperature Range	-65 to 200	°C
Lead Temperature 1/16 ± 1/32" from case for 10 sec.	300	°C
Continuous Reverse Operating Voltage	75	Volts
Power Dissipation	500	mW
Derating Factor	2.85	MW/°C



- NOTES:
1. PACKAGE CONTOUR OPTIONAL WITHIN A AND B. HEAT SLOGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER, BUT NOT SUBJECT TO THE MINIMUM LIMIT OF 5.
 2. LEAD DIAMETER NOT CONTROLLED IN ORDER TO ALLOW FOR FLASH. LEAD LENGTH SURROUND AND MOUNT TOLERANCES OTHER THAN HEAT SLOGS.
 3. POLARITY INDICATED BY CATHODE BAND.
 4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1973.

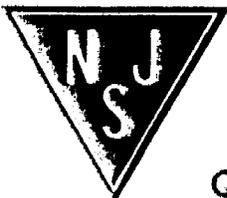
DIMENSIONS		INCHES		MILLIMETERS	
DIM.	MIN.	MAX.	MIN.	MAX.	
A	0.100	0.120	2.54	3.05	0.250
B	0.100	0.120	2.54	3.05	0.250
C	0.100	0.120	2.54	3.05	0.250
D	0.100	0.120	2.54	3.05	0.250
E	0.100	0.120	2.54	3.05	0.250
F	0.100	0.120	2.54	3.05	0.250
G	0.100	0.120	2.54	3.05	0.250
H	0.100	0.120	2.54	3.05	0.250
I	0.100	0.120	2.54	3.05	0.250
J	0.100	0.120	2.54	3.05	0.250
K	0.100	0.120	2.54	3.05	0.250
L	0.100	0.120	2.54	3.05	0.250
M	0.100	0.120	2.54	3.05	0.250
N	0.100	0.120	2.54	3.05	0.250
O	0.100	0.120	2.54	3.05	0.250
P	0.100	0.120	2.54	3.05	0.250
Q	0.100	0.120	2.54	3.05	0.250
R	0.100	0.120	2.54	3.05	0.250
S	0.100	0.120	2.54	3.05	0.250
T	0.100	0.120	2.54	3.05	0.250
U	0.100	0.120	2.54	3.05	0.250
V	0.100	0.120	2.54	3.05	0.250
W	0.100	0.120	2.54	3.05	0.250
X	0.100	0.120	2.54	3.05	0.250
Y	0.100	0.120	2.54	3.05	0.250
Z	0.100	0.120	2.54	3.05	0.250

ALL JEDEC DIMENSIONS AND TOLERANCES APPLY.

ELECTRICAL CHARACTERISTICS @ 25°C unless otherwise noted

CHARACTERISTIC	MIN.	TYP.	MAX.	UNIT	CONDITION
Peak Inverse Voltage	75			V	5μa
Peak Inverse Voltage	100			V	100μa
Forward Voltage			1.0	V	10mA
Reverse Current			25	na	20V
Reverse Current		150	50	μa	20V
Capacitance			4	pf	0V
Reverse Recovery Time		Note 1	4	nsec	1mA

(100-55)



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