

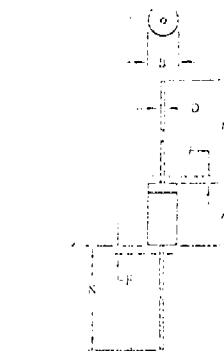
1N4148
SILICON PLANAR DIODE

**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



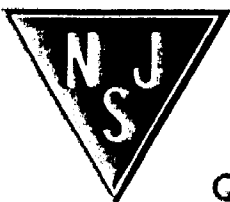
- NOTES:
1. PACKAGE CONTOUR OPTIONAL WITHIN A AND B. HEAT SLOGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER, BUT NOT SUBJECT TO THE MINIMUM LIMIT OF 5.
 2. LEAD DIAMETER NOT CONTROLLED IN AREA Y TO ALLOW FOR FLASH, LEAD BENCH BUILDUP AND MOUNTING SURFACES OTHER THAN HEAT SLOGS.
 3. POLARITY INDICATED BY CATHODE BAND.
 4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1913.

DIMENSIONS			TOLERANCES		
DIM.	MIN.	MAX.	MIN.	MAX.	
A	0.00	0.05	0.000	0.005	
B	0.00	0.05	0.000	0.005	
C	0.00	0.05	0.000	0.005	
D	0.00	0.05	0.000	0.005	
E	0.00	0.05	0.000	0.005	
F	0.00	0.05	0.000	0.005	
G	0.00	0.05	0.000	0.005	
H	0.00	0.05	0.000	0.005	
I	0.00	0.05	0.000	0.005	
J	0.00	0.05	0.000	0.005	
K	0.00	0.05	0.000	0.005	
L	0.00	0.05	0.000	0.005	
M	0.00	0.05	0.000	0.005	
N	0.00	0.05	0.000	0.005	
O	0.00	0.05	0.000	0.005	
P	0.00	0.05	0.000	0.005	
Q	0.00	0.05	0.000	0.005	
R	0.00	0.05	0.000	0.005	
S	0.00	0.05	0.000	0.005	
T	0.00	0.05	0.000	0.005	
U	0.00	0.05	0.000	0.005	
V	0.00	0.05	0.000	0.005	
W	0.00	0.05	0.000	0.005	
X	0.00	0.05	0.000	0.005	
Y	0.00	0.05	0.000	0.005	
Z	0.00	0.05	0.000	0.005	

ALL DIMENSIONS IN MILLIMETERS AND DECIMALS.

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



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

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