

# New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.  
 SPRINGFIELD, NEW JERSEY 07081  
 U.S.A.

TELEPHONE: (973) 376-2921  
 (212) 227-6000  
 FAX: (973) 376-8960

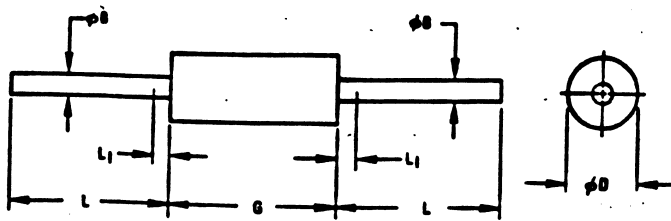
## PARAMETERS

1N4502  
 GERMANIUM DIODE

### Description: Germanium Diode

Manufacturer.....	many
Mil/High-Rel? (Y/N).....	
I(out) (If AVG) Max.....	3.0m
VRRM.....	20
1-Cycle Surge Current (A).....	
Vf Max.....	.30
@If (test).....	3.0m
Ir @25xC.....	10u
@Volts (test) (V).....	6.0
Ir @ Diff. Temp (A).....	80u
@Temp (test) (xC).....	55
Oper. Temp (xC) Max.....	85
Pkg Style.....	D0-7
Surface Mounted (Y/N).....	N

~ Storage Temperature  $2 I_t(\text{rms})$

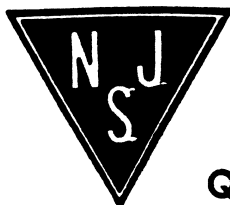


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
ØB	.018	.022	0.458	0.558	-
ØD	.085	.107	2.16	2.71	1
G	.230	.300	5.85	7.62	1
L	1.000	-	25.40	-	-
L1	-	.050	-	1.27	2

#### NOTES:

1. PACKAGE CONTOUR OPTIONAL WITHIN CYLINDER OF DIAMETER ØD AND LENGTH G. SLUGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER BUT SHALL NOT BE SUBJECT TO THE MINIMUM LIMIT OF ØD.
2. LEAD DIAMETER NOT CONTROLLED IN THIS ZONE TO ALLOW FOR FLASH, LEAD FINISH BUILD-UP, AND MINOR IRREGULARITIES OTHER THAN SLUGS.



Quality Semi-Conductors