

*New Jersey Semi-Conductor Products, Inc.*

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

TELEPHONE: (201) 376-2922  
 (212) 227-6005  
 FAX: (201) 376-8960

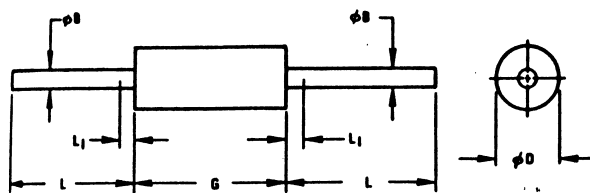
PARAMETERS

1N541  
 GERMANIUM DIODE

Description: Germanium Diode

|                                |      |
|--------------------------------|------|
| Manufacturer.....              | many |
| Mil/High-Rel? (Y/N).....       |      |
| I(out) (If AVG) Max.....       | 35m  |
| VRRM.....                      | 45   |
| 1-Cycle Surge Current (A)..... | 500m |
| Vf Max.....                    | 2.2  |
| @If (test).....                | 10m  |
| Ir @25xC.....                  | 18u  |
| @Volts (test) (V).....         | 10   |
| Ir @ Diff. Temp (A).....       |      |
| @Temp (test) (xC).....         |      |
| Oper. Temp (xC) Max.....       | 85   |
| Pkg Style.....                 | DO-7 |
| Surface Mounted (Y/N).....     | N    |

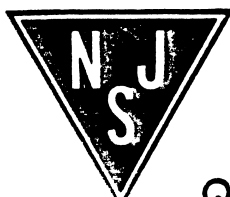
2 It(rms)



| SYMBOL   | INCHES |      | MILLIMETERS |       | NOTES |
|----------|--------|------|-------------|-------|-------|
|          | MIN.   | MAX. | MIN.        | MAX.  |       |
| $\phi B$ | .018   | .022 | 0.458       | 0.558 |       |
| $\phi D$ | .085   | .107 | 2.16        | 2.71  | 1     |
| G        | .230   | .300 | 5.85        | 7.62  | 1     |
| L        | 1.000  |      | 25.40       |       |       |
| $L_1$    |        | .050 |             | 1.27  | 2     |

NOTES:

1. Package contour optional within cylinder of diameter  $\phi D$  and length  $G$ . Slugs, if any, shall be included within this cylinder but shall not be subject to the minimum limit of  $\phi D$ .
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