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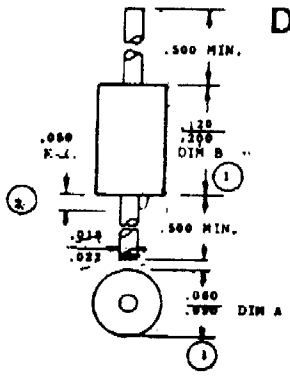
# general purpose and switching diodes

## high speed switching

## $T_{amb}$ = 25°C

| Types | $V_R$-$V_{RM}$ max (V) | $I_O$ max (mA) | $V_F$ / $I_F$ (1) max (V) | (mA) | $I_R$ / $V_R$ max (nA) | (V) | $I_R$ / $V_R$ $T_{amb}$ 150°C max (μA) | (V) | C max (pF) | $t_{rr}$ / $I_F$ max (ns) | (mA) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1N 4148 | 75-100 | 75 | 1 | 10 | 25 | 20 | 50 | 20 | 4 | 4 | 10 |
| 1N 4149 | 75-100 | 75 | 1 | 10 | 25 | 20 | 50 | 20 | 2 | 4 | 10 |
| 1N 4151 | 50- 75 | 75 | 1 | 50 | 50 | 50 | 50 | 50 | 2 | 4 | 10 |
| 1N 4152 | 30- 40 | 75 | 0,88 | 20 | 50 | 30 | 50 | 30 | 2 | 4 | 10 |
| 1N 4153 | 50- 75 | 75 | 0,88 | 20 | 50 | 50 | 50 | 50 | 2 | 4 | 10 |
| 1N 4154 | 25- 35 | 75 | 1 | 30 | 100 | 25 | 100 | 25 | 4 | 4 | 10 |
| 1N 4305 | 50- 75 | 150 | 0,85 | 10 | 100 | 50 | 100 | 50 | 2 | 2 | 10 |
| 1N 4444 | 50- 70 | 200 | 1 | 100 | 50 | 50 | 50 | 50 | 2 | 7 | 10 |
| 1N 4446 | 75-100 | 75 | 1 | 20 | 25 | 20 | 50 | 20 | 4 | 4 | 10 |
| 1N 4447 | 75-100 | 75 | 1 | 20 | 25 | 20 | 50 | 20 | 2 | 4 | 10 |
| 1N 4448 | 75-100 | 75 | 1 | 100 | 25 | 20 | 50 | 20 | 4 | 4 | 10 |
| 1N 4449 | 75-100 | 75 | 1 | 30 | 100 | 20 | 50 | 20 | 2 | 4 | 10 |
| 1N 4454 | 50- 75 | 75 | 1 | 10 | 100 | 50 | 100 | 50 | 2 | 2 | 10 |
| BAX 13 | 50- 50 | 75 | 1 | 20 | 200 | 50 | 25 | 50 | 3 | 4 | 10 |

## DO35




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

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.

**Quality Semi-Conductors**