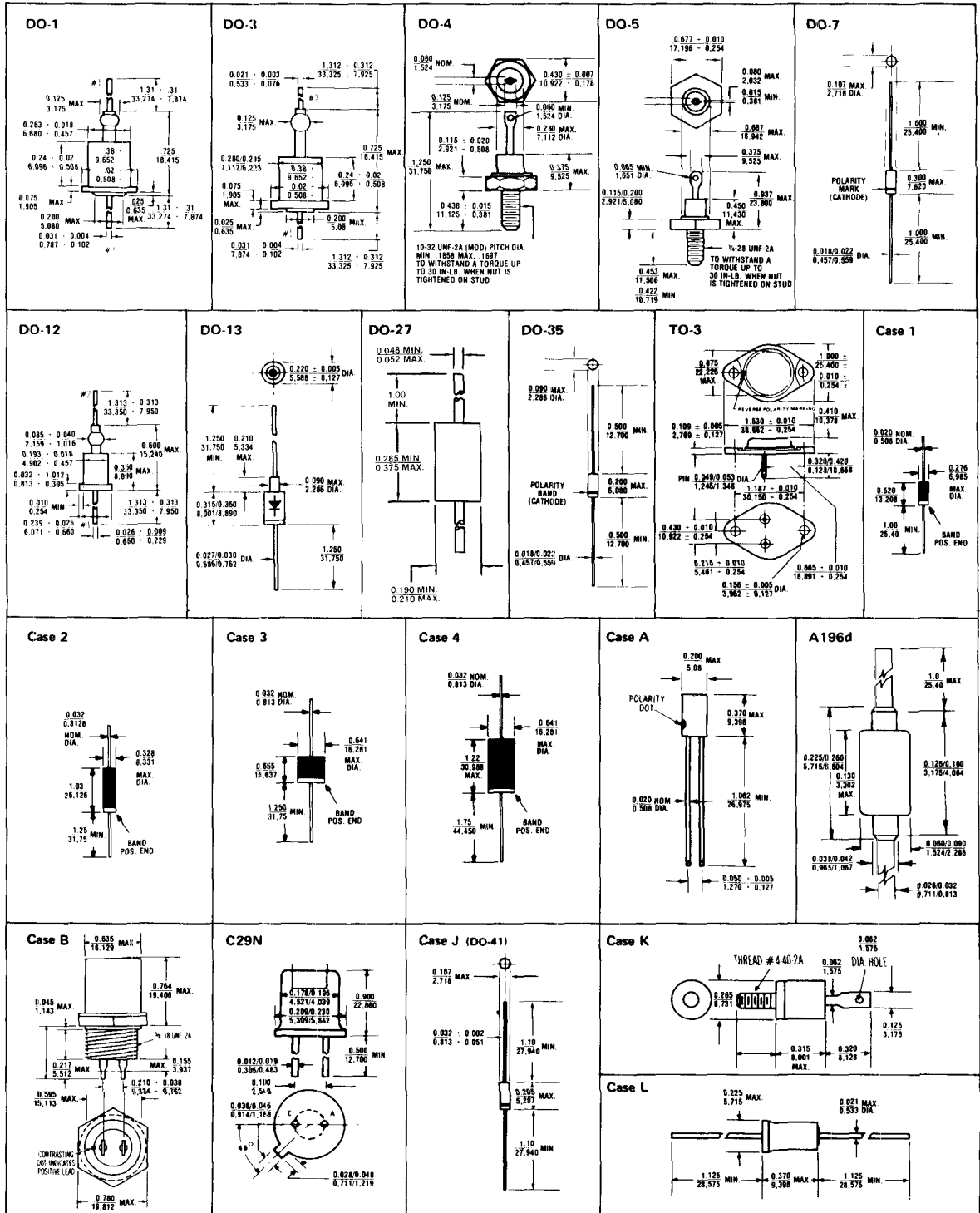


| Zener<br>Type No. | Zener Voltage<br>at $I_{ZT}$ |       | Max. Zener<br>Impedance<br>@ $I_{ZT}$ , Ohms | Zener<br>Voltage<br>Tolerance | Power<br>Rating | Device<br>Package | MICROSEMI<br>Recommended<br>Substitute |
|-------------------|------------------------------|-------|--|-------------------------------|-----------------|-------------------|--|
|                   | Volts                        | @ mA  |  |                               |                 |                   |  |
| 1N5837            | 2.40                         | 20.0  | 50.0   | Suffix A = 10%                | 500 mW          |                   | 1N5221                                 |
| 1N5838            | 2.50                         | 20.0  | 50.0   | Suffix B = 5%                 | "               |                   | 1N5222                                 |
| 1N5839            | 2.70                         | 20.0  | 50.0   | "                             | "               |                   | 1N5223                                 |
| 1N5840            | 2.80                         | 20.0  | 50.0   | "                             | "               |                   | 1N5224                                 |
| 1N5841            | 3.00                         | 20.0  | 50.0   | "                             | "               |                   | 1N5225                                 |
| 1N5842            | 3.30                         | 20.0  | 50.0   | "                             | "               |                   | 1N5226                                 |
| 1N5843            | 3.60                         | 20.0  | 48.0   | "                             | "               |                   | 1N5227                                 |
| 1N5844            | 3.90                         | 20.0  | 40.0   | "                             | "               |                   | 1N5228                                 |
| 1N5845            | 4.30                         | 20.0  | 25.0   | "                             | "               |                   | 1N5229                                 |
| 1N5846            | 4.70                         | 20.0  | 19.0   | "                             | "               |                   | 1N5230                                 |
| 1N5847            | 5.10                         | 20.0  | 17.0   | "                             | "               |                   | 1N5231                                 |
| 1N5848            | 5.60                         | 20.0  | 15.0   | "                             | "               |                   | 1N5232                                 |
| 1N5849            | 6.00                         | 20.0  | 13.0   | "                             | "               |                   | 1N5233                                 |
| 1N5850            | 6.20                         | 20.0  | 14.0   | "                             | "               |                   | 1N5234                                 |
| 1N5851            | 6.80                         | 20.0  | 17.0   | "                             | "               |                   | 1N5235                                 |
| 1N5852            | 7.50                         | 20.0  | 23.0   | "                             | "               |                   | 1N5236                                 |
| 1N5853            | 8.20                         | 20.0  | 34.0   | "                             | "               |                   | 1N5237                                 |
| 1N5854            | 8.70                         | 20.0  | 44.0   | "                             | "               |                   | 1N5238                                 |
| 1N5855            | 9.10                         | 20.0  | 50.0   | "                             | "               |                   | 1N5239                                 |
| 1N5856            | 10.00                        | 20.0  | 62.0   | "                             | "               |                   | 1N5240                                 |
| 1N5857            | 11.00                        | 20.0  | 68.0   | "                             | "               |                   | 1N5241                                 |
| 1N5858            | 12.00                        | 20.0  | 70.0   | "                             | "               |                   | 1N5242                                 |
| 1N5859            | 13.00                        | 9.5   | 70.0   | "                             | "               |                   | 1N5243                                 |
| 1N5860            | 14.00                        | 9.0   | 70.0   | "                             | "               |                   | 1N5244                                 |
| 1N5861            | 15.0                         | 8.5   | 34.0   | "                             | "               |                   | 1N5245                                 |
| 1N5862            | 16.0                         | 7.8   | 38.0   | "                             | "               |                   | 1N5246                                 |
| 1N5863            | 17.0                         | 7.4   | 42.0   | "                             | "               |                   | 1N5247                                 |
| 1N5864            | 18.0                         | 7.0   | 48.0   | "                             | "               |                   | 1N5248                                 |
| 1N5865            | 19.0                         | 6.6   | 52.0   | "                             | "               |                   | 1N5249                                 |
| 1N5866            | 20.0                         | 6.2   | 57.0   | "                             | "               |                   | 1N5250                                 |
| 1N5867            | 22.0                         | 5.6   | 68.0   | "                             | "               |                   | 1N5251                                 |
| 1N5868            | 24.0                         | 5.2   | 78.0   | "                             | "               |                   | 1N5252                                 |
| 1N5869            | 25.0                         | 5.0   | 85.0   | "                             | "               |                   | 1N5253                                 |
| 1N5870            | 27.0                         | 4.6   | 98.0   | "                             | "               |                   | 1N5254                                 |
| 1N5871            | 28.0                         | 4.5   | 105.0  | "                             | "               |                   | 1N5255                                 |
| 1N5872            | 30.0                         | 4.2   | 117.0  | "                             | "               |                   | 1N5256                                 |
| 1N5873            | 33.0                         | 3.8   | 140.0  | "                             | "               |                   | 1N5257                                 |
| 1N5874            | 36.0                         | 3.4   | 160.0  | "                             | "               |                   | 1N5258                                 |
| 1N5875            | 39.0                         | 3.2   | 190.0  | "                             | "               |                   | 1N5259                                 |
| 1N5876            | 43.0                         | 3.0   | 225.0  | "                             | "               |                   | 1N5260                                 |
| 1N5877            | 47.0                         | 2.7   | 260.0  | "                             | "               |                   | 1N5261                                 |
| 1N5878            | 51.0                         | 2.5   | 300.0  | "                             | "               |                   | 1N5262                                 |
| 1N5879            | 56.0                         | 2.2   | 360.0  | "                             | "               |                   | 1N5263                                 |
| 1N5880            | 60.0                         | 2.1   | 410.0  | "                             | "               |                   | 1N5264                                 |
| 1N5881            | 62.0                         | 2.0   | 430.0  | "                             | "               |                   | 1N5265                                 |
| 1N5882            | 68.0                         | 1.8   | 520.0  | "                             | "               |                   | 1N5266                                 |
| 1N5883            | 75.0                         | 1.7   | 600.0  | "                             | "               |                   | 1N5267                                 |
| 1N5884            | 82.0                         | 1.5   | 700.0  | "                             | "               |                   | 1N5268                                 |
| 1N5913            | 3.3                          | 113.6 | 10.0   | No Suffix = 20%               | 1.5 Watt        | Case J            |  |
| 1N5914            | 3.6                          | 104.2 | 9.0  | Suffix A = 10%                | "               | "                 |  |
| 1N5915            | 3.9                          | 96.1  | 7.5  | Suffix B = 5%                 | "               | "                 |  |
| 1N5916            | 4.3                          | 87.2  | 6.0  | Suffix C = 2%                 | "               | "                 |  |
| 1N5917            | 4.7                          | 79.8  | 5.0  | Suffix D = 1%                 | "               | "                 |  |
| 1N5918            | 5.1                          | 73.5  | 4.0  | "                             | "               | "                 |  |
| 1N5919            | 5.6                          | 66.9  | 2.0  | "                             | "               | "                 |  |
| 1N5920            | 6.2                          | 60.5  | 2.0  | "                             | "               | "                 |  |
| 1N5921            | 6.8                          | 55.1  | 2.5  | "                             | "               | "                 |  |
| 1N5922            | 7.5                          | 50.0  | 3.0  | "                             | "               | "                 |  |
| 1N5923            | 8.2                          | 45.7  | 3.5  | "                             | "               | "                 |  |
| 1N5924            | 9.1                          | 41.2  | 4.0  | "                             | "               | "                 |  |
| 1N5925            | 10.0                         | 37.5  | 4.5  | "                             | "               | "                 |  |
| 1N5926            | 11.0                         | 34.1  | 5.5  | "                             | "               | "                 |  |
| 1N5927            | 12.0                         | 31.2  | 6.5  | "                             | "               | "                 |  |
| 1N5928            | 13.0                         | 28.8  | 7.0  | "                             | "               | "                 |  |
| 1N5929            | 15.0                         | 25.0  | 9.0  | "                             | "               | "                 |  |
| 1N5930            | 16.0                         | 23.4  | 10.0   | "                             | "               | "                 |  |
| 1N5931            | 18.0                         | 20.8  | 12.0   | "                             | "               | "                 |  |
| 1N5932            | 20.0                         | 18.7  | 14.0   | "                             | "               | "                 |  |
| 1N5933            | 22.0                         | 17.0  | 17.5   | "                             | "               | "                 |  |
| 1N5934            | 24.0                         | 15.6  | 19.0   | "                             | "               | "                 |  |
| 1N5935            | 27.0                         | 13.9  | 23.0   | "                             | "               | "                 |  |
| 1N5936            | 30.0                         | 12.5  | 28.0   | "                             | "               | "                 |  |
| 1N5937            | 33.0                         | 11.4  | 33.0   | "                             | "               | "                 |  |
| 1N5938            | 36.0                         | 10.4  | 38.0   | "                             | "               | "                 |  |

NOTE — Diode types presently available from Microsemi Corporation are shown in bold type.

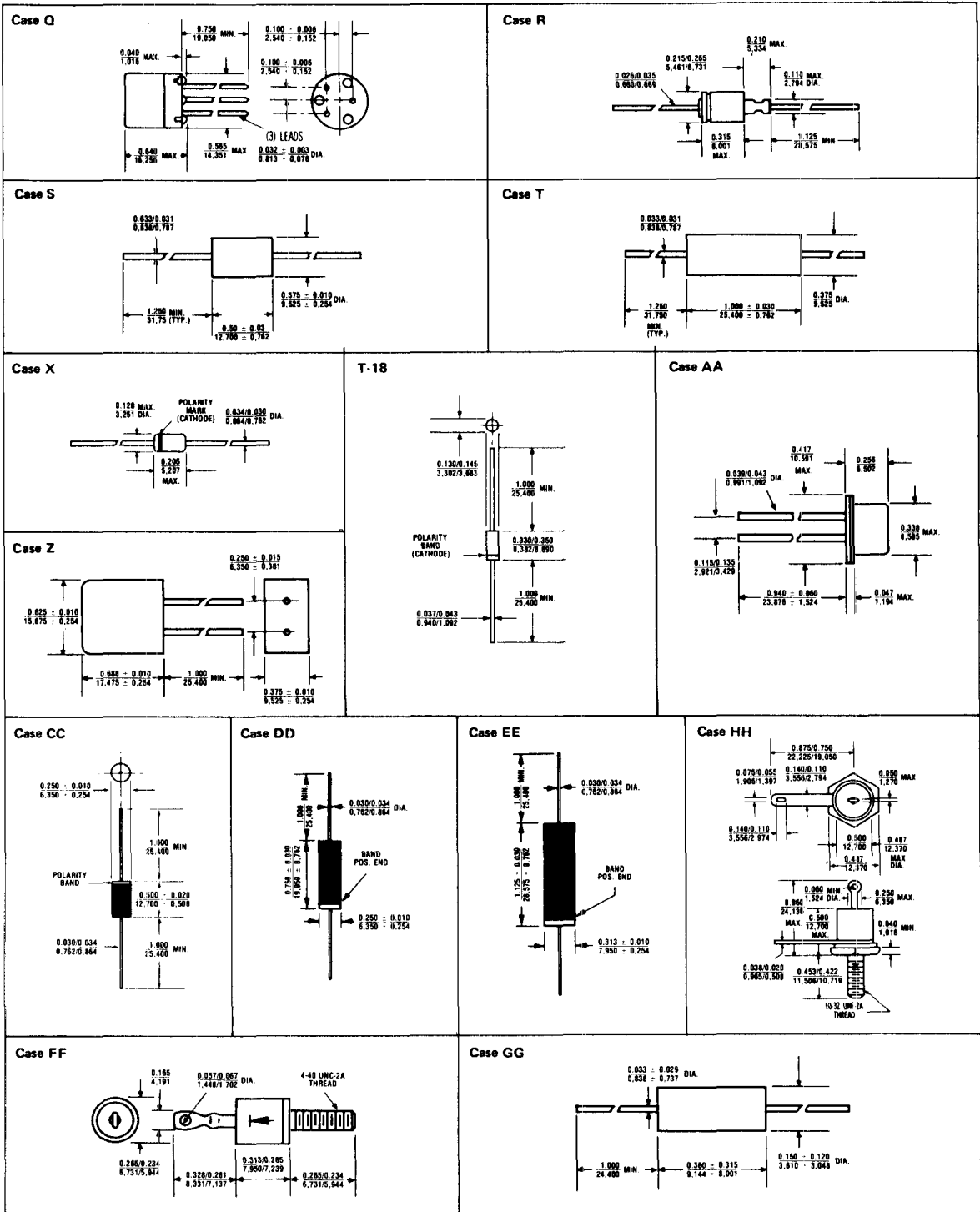
- (19) Low reverse leakage diode
- (27) Supplied by Microsemi in DO-7 Case
- (28) Supplied by Microsemi in Case J (DO-41)
- (30) This is the package referenced in the Autumn 1972 Semiconductor Diode & SCR D.A.T.A. book.

# CASE CONFIGURATION CHART



All dimensions in INCH  
m. m.

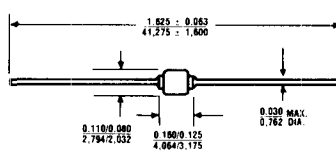
# CASE CONFIGURATION CHART



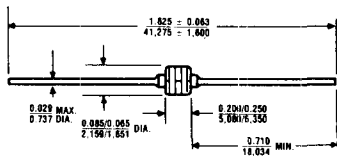
All dimensions in INCH  
m.m.

# CASE CONFIGURATION CHART

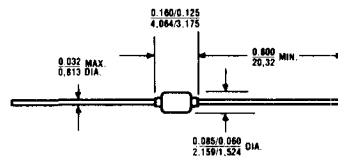
Case JJ



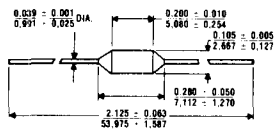
Case LL



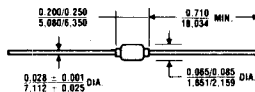
Case MM



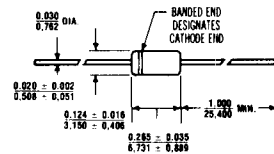
Case NN



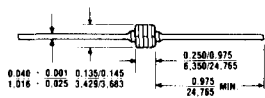
Case OO



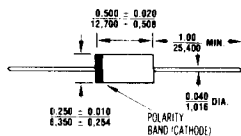
Case QQ



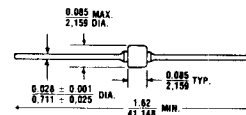
Case RR



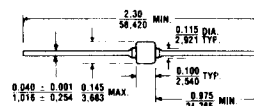
Case SS



Case UU



Case VV



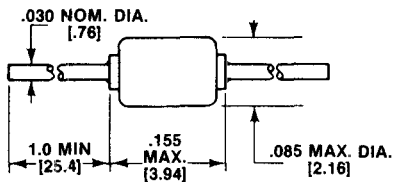
All dimensions in INCH  
m.m.

# CASE CONFIGURATION CHART

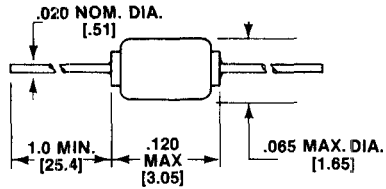
## MECHANICAL CONFIGURATIONS PHYSICAL DIMENSIONS

DIMENSIONS IN INCHES (MM)

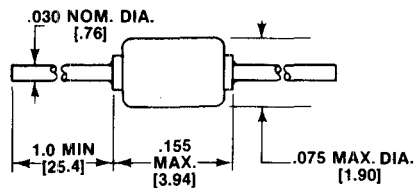
PACKAGE A



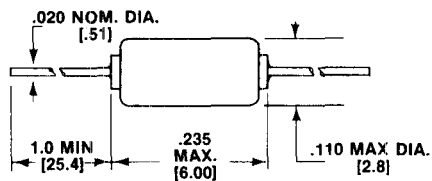
PACKAGE B [D034]



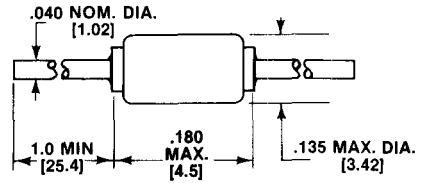
PACKAGE C



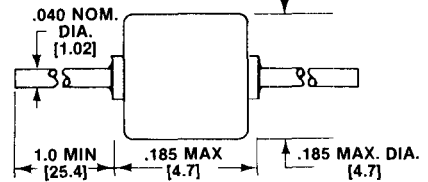
PACKAGE D



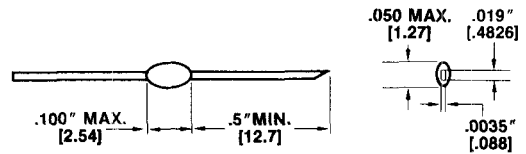
PACKAGE E



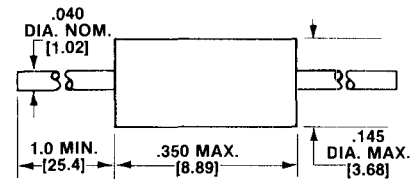
PACKAGE G



PACKAGE H



PACKAGE R



PACKAGE S

