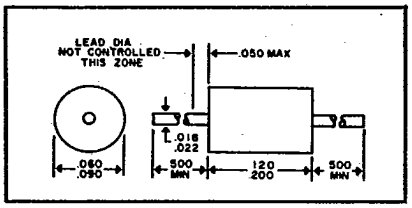
# ZENER DIODES

## DO-35 Case




### 400mW — DO-35 Case

| Type† | Nominal Zener Voltage | Test Current | Maximum‡ Dynamic Impedance | Typical Temperature Coefficient |
|---|---|---|---|---|
| | $V_Z$ @ $I_{ZT}$ | $I_{ZT}$ | $Z_{ZT}$ @ $I_{ZT}$ | $T_C$ |
| | V | mA | Ω | %/°C |
| 1N5728 | 4.7 | 10 | 70 | — |
| 1N5729 | 5.1 | | 50 | — |
| 1N5730 | 5.6 | | 25 | — |
| 1N5731 | 6.2 | | 10 | — |
| 1N5732 | 6.8 | | 10 | .044 |
| 1N5733 | 7.5 | | 10 | .053 |
| 1N5734 | 8.2 | | 15 | .061 |
| 1N5735 | 9.1 | | 15 | .066 |
| 1N5736 | 10.0 | | 20 | .070 |
| 1N5737 | 11 | 5 | 20 | .072 |
| 1N5738 | 12 | | 25 | .075 |
| 1N5739 | 13 | | 30 | .080 |
| 1N5740 | 15 | | 36 | .083 |
| 1N5741 | 16 | | 40 | .080 |
| 1N5742 | 18 | 5 | 45 | .083 |
| 1N5743 | 20 | | 55 | .085 |
| 1N5744 | 22 | | 55 | .086 |
| 1N5745 | 24 | | 70 | .087 |
| 1N5746 | 27 | 2 | 80 | .087 |
| 1N5747 | 30 | | 80 | .086 |
| 1N5748 | 33.0 | | 90 | .092 |
| 1N5749 | 36.0 | | 90 | .093 |
| 1N5750 | 39.0 | | 130 | .094 |
| 1N5751 | 43.0 | 2 | 150 | .095 |
| 1N5152 | 47.0 | | 170 | .095 |
| 1N5753 | 51.0 | | 180 | .096 |
| 1N5754 | 56.0 | | 200 | .096 |
| 1N5755 | 62.0 | | 215 | .097 |
| 1N5756 | 68.0 | | 240 | .097 |

†Standard tolerances of 1, 2, and 5% are available — "B" suffix is ±5%, "C" suffix is ±2%, and "D" suffix is ±1%.

‡Zener impedance is derived from the 1kHz voltage created when AC current with RMS value of 10% of DC zener test current is superimposed on the test current.



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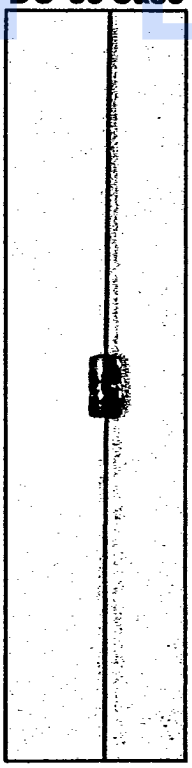

### 400mW — DO-35 Case

| Type† | Nominal Zener Voltage | Test Current | Maximum‡ Dynamic Impedance | Typical Temperature Coefficient |
|---|---|---|---|---|
| | $V_Z$ @ $I_{ZT}$ | $I_{ZT}$ | $Z_{ZT}$ @ $I_{ZT}$ | $T_C$ |
| | V | mA | Ω | %/°C |
| 1N746 | 3.3 | 20 | 28 | −.062 |
| 1N747 | 3.6 | | 24 | −.055 |
| 1N748 | 3.9 | | 23 | −.049 |
| 1N749 | 4.3 | | 22 | −.036 |
| 1N750 | 4.7 | | 19 | −.018 |
| 1N751 | 5.1 | 20 | 17 | −.008 |
| 1N752 | 5.6 | | 11 | .006 |
| 1N753 | 6.2 | | 7 | .022 |
| 1N754 | 6.8 | | 5 | .035 |
| 1N755 | 7.5 | | 6 | .045 |
| 1N756 | 8.2 | 20 | 8 | .052 |
| 1N757 | 9.1 | | 10 | .056 |
| 1N758 | 10.0 | | 17 | .060 |
| 1N759 | 12.0 | | 30 | .060 |

†Standard types are ±10% tolerance; suffix "A" denotes ±5% tolerance.

‡Zener impedance is derived from the 1kHz voltage created when AC current with RMS value of 10% of DC zener test current is superimposed on the test current.

SEMICONDUCTORS