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- 12.4 THRU 200 VOLT NOMINAL ZENER VOLTAGES $\pm 5\%$
- TEMPERATURE COMPENSATED ZENER REFERENCE DIODES
- EFFECTIVE TEMPERATURE COEFFICIENTS OF 0.005%/°C AND 0.002%/°C
- HERMETICALLY SEALED, METALLURGICALLY BONDED, DOUBLE PLUG SUBASSEMBLIES ENCAPSULATED IN A PLASTIC CASE

1N4057
thru
1N4085A

| JEDEC TYPE NUMBER | NOMINAL ZENER VOLTAGE (Note 1) | TEST CURRENT | MAXIMUM ZENER IMPEDANCE (Note 2) | EFFECTIVE TEMPERATURE COEFFICIENT (Note 3) | MAXIMUM MILLIVOLT CHANGE | TEMPERATURE RANGE | CASE |
|-------------------|--------------------------------|--------------|----------------------------------|--|--------------------------|-------------------|------|
| | VOLTS | mA | OHMS | %/°C | mV | °C | |
| 1N4057 | 12.4 | 10 | 25 | .005 | 96 | -55 to 100°C | 8 |
| 1N4057A | 12.4 | 10 | 25 | .002 | 37.5 | -55 to 100°C | 8 |
| 1N4058 | 12.6 | 10 | 30 | .005 | 112 | -55 to 100°C | 8 |
| 1N4058A | 12.6 | 10 | 30 | .002 | 45 | -55 to 100°C | 8 |
| 1N4059 | 16.8 | 10 | 30 | .005 | 130 | -55 to 100°C | 8 |
| 1N4059A | 16.8 | 10 | 30 | .002 | 52.5 | -55 to 100°C | 8 |
| 1N4060 | 18.5 | 10 | 30 | .005 | 142 | -55 to 100°C | 8 |
| 1N4060A | 18.5 | 10 | 30 | .002 | 57 | -55 to 100°C | 8 |
| 1N4061 | 21 | 10 | 35 | .005 | 163 | -55 to 100°C | 8 |
| 1N4061A | 21 | 10 | 35 | .002 | 65 | -55 to 100°C | 8 |
| 1N4062 | 23 | 10 | 40 | .005 | 178 | -55 to 100°C | 8 |
| 1N4062A | 23 | 10 | 40 | .002 | 71 | -55 to 100°C | 8 |
| 1N4063 | 27 | 10 | 45 | .005 | 209 | -55 to 100°C | 8 |
| 1N4063A | 27 | 10 | 45 | .002 | 83 | -55 to 100°C | 8 |
| 1N4064 | 30 | 10 | 50 | .005 | 232 | -55 to 100°C | 8 |
| 1N4064A | 30 | 10 | 50 | .002 | 93 | -55 to 100°C | 8 |
| 1N4065 | 33 | 10 | 55 | .005 | 255 | -55 to 100°C | 8 |
| 1N4065A | 33 | 10 | 55 | .002 | 102 | -55 to 100°C | 8 |
| 1N4066 | 37 | 7.5 | 80 | .005 | 287 | -55 to 100°C | 8 |
| 1N4066A | 37 | 7.5 | 80 | .002 | 111 | -55 to 100°C | 8 |
| 1N4067 | 43 | 7.5 | 90 | .005 | 333 | -55 to 100°C | 8 |
| 1N4067A | 43 | 7.5 | 90 | .002 | 133 | -55 to 100°C | 8 |
| 1N4068 | 47 | 7.5 | 100 | .005 | 364 | -55 to 100°C | 8 |
| 1N4068A | 47 | 7.5 | 100 | .002 | 142 | -55 to 100°C | 8 |
| 1N4069 | 51 | 7.5 | 110 | .005 | 395 | -55 to 100°C | 9 |
| 1N4069A | 51 | 7.5 | 110 | .002 | 158 | -55 to 100°C | 9 |
| 1N4070 | 56 | 7.5 | 120 | .005 | 435 | -55 to 100°C | 9 |
| 1N4070A | 56 | 7.5 | 120 | .002 | 174 | -55 to 100°C | 9 |
| 1N4071 | 62 | 7.5 | 135 | .005 | 480 | -55 to 100°C | 9 |
| 1N4071A | 62 | 7.5 | 135 | .002 | 192 | -55 to 100°C | 9 |
| 1N4072 | 68 | 5.0 | 230 | .005 | 528 | -55 to 100°C | 9 |
| 1N4072A | 68 | 5.0 | 230 | .002 | 211 | -55 to 100°C | 9 |
| 1N4073 | 75 | 5.0 | 250 | .005 | 582 | -55 to 100°C | 9 |
| 1N4073A | 75 | 5.0 | 250 | .002 | 234 | -55 to 100°C | 9 |
| 1N4074 | 82 | 5.0 | 270 | .005 | 637 | -55 to 100°C | 9 |
| 1N4074A | 82 | 5.0 | 270 | .002 | 253 | -55 to 100°C | 9 |
| 1N4075 | 87 | 5.0 | 290 | .005 | 675 | -55 to 100°C | 9 |
| 1N4075A | 87 | 5.0 | 290 | .002 | 270 | -55 to 100°C | 9 |
| 1N4076 | 91 | 5.0 | 310 | .005 | 707 | -55 to 100°C | 9 |
| 1N4076A | 91 | 5.0 | 310 | .002 | 282 | -55 to 100°C | 9 |
| 1N4077 | 100 | 5.0 | 340 | .005 | 775 | -55 to 100°C | 9 |
| 1N4077A | 100 | 5.0 | 340 | .002 | 310 | -55 to 100°C | 9 |
| 1N4078 | 105 | 2.5 | 700 | .005 | 815 | -55 to 100°C | 9 |
| 1N4078A | 105 | 2.5 | 700 | .002 | 325 | -55 to 100°C | 9 |
| 1N4079 | 110 | 2.5 | 740 | .005 | 860 | -55 to 100°C | 9 |
| 1N4079A | 110 | 2.5 | 740 | .002 | 340 | -55 to 100°C | 9 |
| 1N4080 | 120 | 2.5 | 800 | .005 | 930 | -55 to 100°C | 9 |
| 1N4080A | 120 | 2.5 | 800 | .002 | 372 | -55 to 100°C | 9 |
| 1N4081 | 130 | 2.5 | 840 | .005 | 1000 | -55 to 100°C | 10 |
| 1N4081A | 130 | 2.5 | 840 | .002 | 404 | -55 to 100°C | 10 |
| 1N4082 | 140 | 2.5 | 960 | .005 | 1000 | -55 to 100°C | 10 |
| 1N4082A | 140 | 2.5 | 960 | .002 | 432 | -55 to 100°C | 10 |
| 1N4083 | 150 | 2.5 | 1020 | .005 | 1160 | -55 to 100°C | 10 |
| 1N4083A | 150 | 2.5 | 1020 | .002 | 464 | -55 to 100°C | 10 |
| 1N4084 | 175 | 2.5 | 1150 | .005 | 1360 | -55 to 100°C | 10 |
| 1N4084A | 175 | 2.5 | 1150 | .002 | 540 | -55 to 100°C | 10 |
| 1N4085 | 200 | 2.5 | 1350 | .005 | 1550 | -55 to 100°C | 10 |
| 1N4085A | 200 | 2.5 | 1350 | .002 | 620 | -55 to 100°C | 10 |

* JEDEC Registered Data

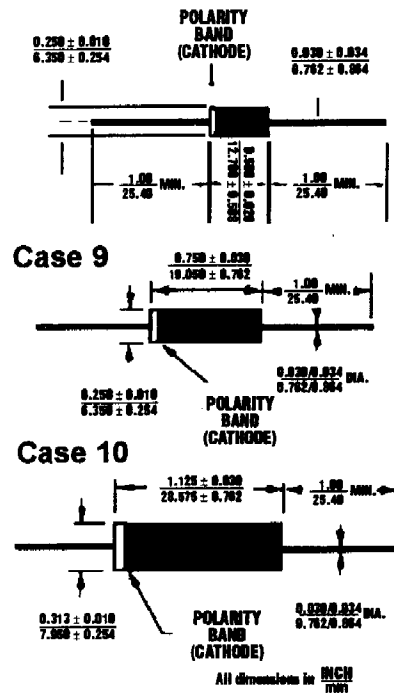


FIGURE 1
DESIGN DATA

CASE: Non-conductive epoxy

LEAD MATERIAL: Copper clad steel.

LEAD FINISH: Tin/Lead

POLARITY: Diode to be operated with the banded (cathode) end positive with respect to the opposite end.

MOUNTING POSITION: ANY.



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