

New Jersey Semi-Conductor Products, Inc.

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

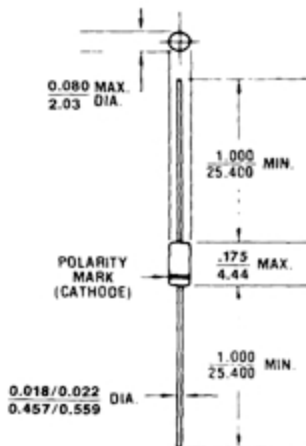
TELEPHONE: (973) 376-2922
(212) 227-6005
FAX: (973) 376-8960

| ELECTRICAL CHARACTERISTICS* | | | | | | | |
|-----------------------------|-------------------------|------------------------|------------------------|-------------------|-----------------------------|---------------------------|--------------------------|
| TYPE NUMBER (Note 1) | REGULATOR VOLTAGE | TEST CURRENT | DYNAMIC IMPEDANCE | REVERSE CURRENT | I _R TEST VOLTAGE | MAXIMUM REGULATOR CURRENT | TEMPERATURE COEFFICIENT |
| | (V _Z) Volts | (I _Z) Amps | (Z _Z) Ohms | I _R μA | (V _R) Volts | (I _{ZM}) mA | (αV _Z) mV/°C |
| 1N5728B | 4.7 | 10 | 70 | 3.0 | 2 | 70 | -1.0 |
| 1N5729B | 5.1 | 10 | 50 | 3.0 | 2 | 65 | -0.2 |
| 1N5730B | 5.6 | 10 | 25 | 3.0 | 2 | 60 | +1.2 |
| 1N5731B | 6.2 | 10 | 10 | 3.0 | 4 | 55 | +2.3 |
| 1N5732B | 6.8 | 10 | 10 | 3.0 | 4 | 50 | +3.0 |
| 1N5733B | 7.5 | 10 | 10 | 2.0 | 5 | 45 | +4.0 |
| 1N5734B | 8.2 | 10 | 15 | 1.0 | 5 | 40 | +5.0 |
| 1N5735B | 9.1 | 10 | 15 | 0.5 | 6 | 40 | +6.0 |
| 1N5736B | 10 | 10 | 20 | 0.2 | 7 | 35 | +7.0 |
| 1N5737B | 11 | 5 | 20 | 0.1 | 8 | 30 | +8.0 |
| 1N5738B | 12 | 5 | 25 | 0.1 | 8 | 30 | +9.0 |
| 1N5739B | 13 | 5 | 30 | 0.1 | 9 | 25 | +10.5 |
| 1N5740B | 15 | 5 | 30 | 0.1 | 10 | 25 | +12.9 |
| 1N5741B | 16 | 5 | 40 | 0.1 | 11 | 20 | +13 |
| 1N5742B | 18 | 5 | 45 | 0.1 | 12 | 20 | +15 |
| 1N5743B | 20 | 5 | 55 | 0.1 | 14 | 15 | +17 |
| 1N5744B | 22 | 5 | 55 | 0.1 | 15 | 15 | +19 |
| 1N5745B | 24 | 5 | 70 | 0.1 | 17 | 15 | +21 |
| 1N5746B | 27 | 2 | 80 | 0.1 | 19 | 10 | +23.5 |
| 1N5747B | 30 | 2 | 80 | 0.1 | 21 | 10 | +26 |
| 1N5748B | 33 | 2 | 90 | 0.1 | 23 | 10 | +29 |
| 1N5749B | 36 | 2 | 90 | 0.1 | 25 | 10 | +31 |
| 1N5750B | 39 | 2 | 130 | 0.1 | 27 | 9 | +34 |
| 1N5751B | 43 | 2 | 150 | 0.1 | 30 | 9 | +37 |
| 1N5752B | 47 | 2 | 170 | 0.1 | 33 | 8 | +40 |
| 1N5753B | 51 | 2 | 180 | 0.1 | 36 | 7 | +44 |
| 1N5754B | 56 | 2 | 200 | 0.1 | 39 | 6 | +47 |
| 1N5755B | 62 | 2 | 215 | 0.1 | 43 | 6 | +51 |
| 1N5756B | 68 | 2 | 240 | 0.1 | 48 | 5 | +56 |
| 1N5757B | 75 | 2 | 255 | 0.1 | 53 | 5 | +60 |

*JEDEC Registered Data. The Type Number indicates 5% Tolerance. (See Note 1.)

NOTES:

1. Devices listed have a +/-5% voltage tolerance on nominal V_Z with a B suffix. An A suffix is +/-10% and no suffix is +/-20%. Suffix C denotes a +/-2% tolerance and suffix D denotes a +/-1% tolerance.
2. All static parameters measured under pulsed conditions, t_p = 300 μs.
3. Dynamic Impedance is derived by measuring the ac voltage when superimposing an ac rms current of 0.2 mA at 1000 Hz on to the dc level of I_{ZT}.



Quality Semi-Conductors