

# Little Rebel®

Carbon Film Resistors, 5% Tolerance  
Available in E24 Ohmic values



Little Rebels are one of Ohmite's more economical lines of low wattage resistors. Constructed of a pure carbon film deposited on a high-grade ceramic body, these units offer better stability performance than comparable carbon composition resistors.

Little Rebels are designed for electrical and electronic applications that demand small sizes and small power ratings plus high performance and reliability.

## FEATURES

- High stability, low noise level, long life.
- Ideal for applications requiring a steady low power drop.
- Available in Resistor Cabinet Assortments.
- 24 Values per decade.

## SERIES SPECIFICATIONS

| Series | Wattage | Ohms    | Max. Working Voltage |
|--------|---------|---------|----------------------|
| OJ     | 0.125   | 1.0- 1M | 200                  |
| OK     | 0.250   | 1.0-10M | 250                  |
| OL     | 0.500   | 1.0-10M | 350                  |
| OM     | 1.00    | 1.0-10M | 500                  |
| ON     | 2.00    | 1.0-10M | 500                  |

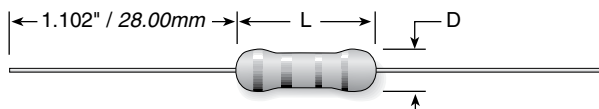
\*Available in Cabinet Assortments

## CHARACTERISTICS

|                                 |                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Core</b>                     | High-grade ceramic.                                                                                             |
| <b>Terminals</b>                | Solder-coated copper lead.                                                                                      |
| <b>Derating</b>                 | Linearly from 100% @ +70°C to 0% @ 155°C.                                                                       |
| <b>Tolerance</b>                | ±5%.                                                                                                            |
| <b>Temperature Coefficient</b>  | 1Ω to 10: ±350 ppm/°C<br>11Ω to 91K: -450 ppm/°C<br>100K to 1M: -700 ppm/°C<br>1.1M to 10M: -800 to 1500 ppm/°C |
| <b>Maximum Overload Voltage</b> | OJ: 400 Volts<br>OK: 500 Volts<br>OL: 700 Volts<br>OM: 1000 Volts<br>ON: 1000 Volts                             |
| <b>Quantity per reel</b>        | OJ: 5000<br>OK: 5000<br>OL: 4000<br>OM: 2500<br>ON: 1000                                                        |

## DIMENSIONS

(iin./mm)



| Series | Wattage | Max. Length  | Max. Diam.   | Lead ga. |
|--------|---------|--------------|--------------|----------|
| OJ     | 0.125   | 0.138 / 3.5  | 0.073 / 1.85 | 24       |
| OK     | 0.250   | 0.268 / 6.8  | 0.099 / 2.5  | 22       |
| OL     | 0.500   | 0.355 / 9.0  | 0.118 / 3.0  | 22       |
| OM     | 1.00    | 0.473 / 12.0 | 0.197 / 5.0  | 20       |
| ON     | 2.00    | 0.630 / 16.0 | 0.217 / 5.5  | 20       |

(continued)

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## ORDERING INFORMATION

### Standard part numbers for standard resistance values

| Ohmic value |          |        |         |      |      | Ohmic value |          |        |         |      |      | Ohmic value |          |        |         |      |      | Ohmic value |          |        |         |      |      |
|-------------|----------|--------|---------|------|------|-------------|----------|--------|---------|------|------|-------------|----------|--------|---------|------|------|-------------|----------|--------|---------|------|------|
| Ohmic value | Part No. |        | Wattage |      |      | Ohmic value | Part No. |        | Wattage |      |      | Ohmic value | Part No. |        | Wattage |      |      | Ohmic value | Part No. |        | Wattage |      |      |
|             | Prefix   | Suffix | 0.125   | 0.25 | 0.50 |             | Prefix   | Suffix | 0.125   | 0.25 | 0.50 |             | Prefix   | Suffix | 0.125   | 0.25 | 0.50 |             | Prefix   | Suffix | 0.125   | 0.25 | 0.50 |
| 1           | —        | 10G5   | ✓       | ✓    | ✓    | 62          | —        | 6205   | ✓       | ✓    | ✓    | 3,900       | —        | 3925   | ✓       | ✓    | ✓    | 240,000     | —        | 2445   | ✓       | ✓    | ✓    |
| 1.1         | —        | 11G5   | ✓       | ✓    | ✓    | 68          | —        | 6805   | ✓       | ✓    | ✓    | 4,300       | —        | 4325   | ✓       | ✓    | ✓    | 270,000     | —        | 2745   | ✓       | ✓    | ✓    |
| 1.2         | —        | 12G5   | ✓       | ✓    | ✓    | 75          | —        | 7505   | ✓       | ✓    | ✓    | 4,700       | —        | 4725   | ✓       | ✓    | ✓    | 300,000     | —        | 3045   | ✓       | ✓    | ✓    |
| 1.3         | —        | 13G5   | ✓       | ✓    | ✓    | 82          | —        | 8205   | ✓       | ✓    | ✓    | 5,100       | —        | 5125   | ✓       | ✓    | ✓    | 330,000     | —        | 3345   | ✓       | ✓    | ✓    |
| 1.5         | —        | 15G5   | ✓       | ✓    | ✓    | 91          | —        | 9105   | ✓       | ✓    | ✓    | 5,600       | —        | 5625   | ✓       | ✓    | ✓    | 360,000     | —        | 3645   | ✓       | ✓    | ✓    |
| 1.6         | —        | 16G5   | ✓       | ✓    | ✓    | 100         | —        | 1015   | ✓       | ✓    | ✓    | 6,200       | —        | 6225   | ✓       | ✓    | ✓    | 390,000     | —        | 3945   | ✓       | ✓    | ✓    |
| 1.8         | —        | 18G5   | ✓       | ✓    | ✓    | 110         | —        | 1115   | ✓       | ✓    | ✓    | 6,800       | —        | 6825   | ✓       | ✓    | ✓    | 430,000     | —        | 4345   | ✓       | ✓    | ✓    |
| 2.0         | —        | 20G5   | ✓       | ✓    | ✓    | 120         | —        | 1215   | ✓       | ✓    | ✓    | 7,500       | —        | 7525   | ✓       | ✓    | ✓    | 470,000     | —        | 4745   | ✓       | ✓    | ✓    |
| 2.2         | —        | 22G5   | ✓       | ✓    | ✓    | 130         | —        | 1315   | ✓       | ✓    | ✓    | 8,200       | —        | 8225   | ✓       | ✓    | ✓    | 510,000     | —        | 5145   | ✓       | ✓    | ✓    |
| 2.4         | —        | 24G5   | ✓       | ✓    | ✓    | 150         | —        | 1515   | ✓       | ✓    | ✓    | 9,100       | —        | 9125   | ✓       | ✓    | ✓    | 560,000     | —        | 5645   | ✓       | ✓    | ✓    |
| 2.7         | —        | 27G5   | ✓       | ✓    | ✓    | 160         | —        | 1615   | ✓       | ✓    | ✓    | 10,000      | —        | 1035   | ✓       | ✓    | ✓    | 620,000     | —        | 6245   | ✓       | ✓    | ✓    |
| 3.0         | —        | 30G5   | ✓       | ✓    | ✓    | 180         | —        | 1815   | ✓       | ✓    | ✓    | 11,000      | —        | 1135   | ✓       | ✓    | ✓    | 680,000     | —        | 6845   | ✓       | ✓    | ✓    |
| 3.3         | —        | 33G5   | ✓       | ✓    | ✓    | 200         | —        | 2015   | ✓       | ✓    | ✓    | 12,000      | —        | 1235   | ✓       | ✓    | ✓    | 750,000     | —        | 7545   | ✓       | ✓    | ✓    |
| 3.6         | —        | 36G5   | ✓       | ✓    | ✓    | 220         | —        | 2215   | ✓       | ✓    | ✓    | 13,000      | —        | 1335   | ✓       | ✓    | ✓    | 820,000     | —        | 8245   | ✓       | ✓    | ✓    |
| 3.9         | —        | 39G5   | ✓       | ✓    | ✓    | 240         | —        | 2415   | ✓       | ✓    | ✓    | 15,000      | —        | 1535   | ✓       | ✓    | ✓    | 910,000     | —        | 9145   | ✓       | ✓    | ✓    |
| 4.3         | —        | 43G5   | ✓       | ✓    | ✓    | 270         | —        | 2715   | ✓       | ✓    | ✓    | 16,000      | —        | 1635   | ✓       | ✓    | ✓    | 1 MEG       | —        | 1055   | ✓       | ✓    | ✓    |
| 4.7         | —        | 47G5   | ✓       | ✓    | ✓    | 330         | —        | 3315   | ✓       | ✓    | ✓    | 18,000      | —        | 1835   | ✓       | ✓    | ✓    | 1.1 MEG     | —        | 1155   | ✓       | ✓    | ✓    |
| 5.1         | —        | 51G5   | ✓       | ✓    | ✓    | 350         | —        | 3515   | ✓       | ✓    | ✓    | 20,000      | —        | 2035   | ✓       | ✓    | ✓    | 1.2 MEG     | —        | 1255   | ✓       | ✓    | ✓    |
| 5.6         | —        | 56G5   | ✓       | ✓    | ✓    | 360         | —        | 3615   | ✓       | ✓    | ✓    | 22,000      | —        | 2235   | ✓       | ✓    | ✓    | 1.3 MEG     | —        | 1355   | ✓       | ✓    | ✓    |
| 6.2         | —        | 62G5   | ✓       | ✓    | ✓    | 390         | —        | 3915   | ✓       | ✓    | ✓    | 24,000      | —        | 2435   | ✓       | ✓    | ✓    | 1.5 MEG     | —        | 1555   | ✓       | ✓    | ✓    |
| 6.8         | —        | 68G5   | ✓       | ✓    | ✓    | 430         | —        | 4315   | ✓       | ✓    | ✓    | 27,000      | —        | 2735   | ✓       | ✓    | ✓    | 1.6 MEG     | —        | 1655   | ✓       | ✓    | ✓    |
| 7.5         | —        | 75G5   | ✓       | ✓    | ✓    | 470         | —        | 4715   | ✓       | ✓    | ✓    | 30,000      | —        | 3035   | ✓       | ✓    | ✓    | 1.8 MEG     | —        | 1855   | ✓       | ✓    | ✓    |
| 8.2         | —        | 82G5   | ✓       | ✓    | ✓    | 510         | —        | 5115   | ✓       | ✓    | ✓    | 33,000      | —        | 3335   | ✓       | ✓    | ✓    | 2.0 MEG     | —        | 2055   | ✓       | ✓    | ✓    |
| 9.1         | —        | 91G5   | ✓       | ✓    | ✓    | 560         | —        | 5615   | ✓       | ✓    | ✓    | 36,000      | —        | 3635   | ✓       | ✓    | ✓    | 2.2 MEG     | —        | 2255   | ✓       | ✓    | ✓    |
| 10          | —        | 1005   | ✓       | ✓    | ✓    | 620         | —        | 6215   | ✓       | ✓    | ✓    | 39,000      | —        | 3935   | ✓       | ✓    | ✓    | 2.4 MEG     | —        | 2455   | ✓       | ✓    | ✓    |
| 11          | —        | 1105   | ✓       | ✓    | ✓    | 680         | —        | 6815   | ✓       | ✓    | ✓    | 43,000      | —        | 4335   | ✓       | ✓    | ✓    | 2.7 MEG     | —        | 2755   | ✓       | ✓    | ✓    |
| 12          | —        | 1205   | ✓       | ✓    | ✓    | 750         | —        | 7515   | ✓       | ✓    | ✓    | 47,000      | —        | 4735   | ✓       | ✓    | ✓    | 3.0 MEG     | —        | 3055   | ✓       | ✓    | ✓    |
| 13          | —        | 1305   | ✓       | ✓    | ✓    | 820         | —        | 8215   | ✓       | ✓    | ✓    | 51,000      | —        | 5135   | ✓       | ✓    | ✓    | 3.3 MEG     | —        | 3355   | ✓       | ✓    | ✓    |
| 15          | —        | 1505   | ✓       | ✓    | ✓    | 910         | —        | 9115   | ✓       | ✓    | ✓    | 56,000      | —        | 5635   | ✓       | ✓    | ✓    | 3.6 MEG     | —        | 3655   | ✓       | ✓    | ✓    |
| 16          | —        | 1605   | ✓       | ✓    | ✓    | 1,000       | —        | 1025   | ✓       | ✓    | ✓    | 62,000      | —        | 6235   | ✓       | ✓    | ✓    | 3.9 MEG     | —        | 3955   | ✓       | ✓    | ✓    |
| 18          | —        | 1805   | ✓       | ✓    | ✓    | 1,100       | —        | 1125   | ✓       | ✓    | ✓    | 68,000      | —        | 6835   | ✓       | ✓    | ✓    | 4.3 MEG     | —        | 4355   | ✓       | ✓    | ✓    |
| 20          | —        | 2005   | ✓       | ✓    | ✓    | 1,200       | —        | 1225   | ✓       | ✓    | ✓    | 75,000      | —        | 7535   | ✓       | ✓    | ✓    | 4.7 MEG     | —        | 4755   | ✓       | ✓    | ✓    |
| 22          | —        | 2205   | ✓       | ✓    | ✓    | 1,300       | —        | 1325   | ✓       | ✓    | ✓    | 82,000      | —        | 8235   | ✓       | ✓    | ✓    | 5.1 MEG     | —        | 5155   | ✓       | ✓    | ✓    |
| 24          | —        | 2405   | ✓       | ✓    | ✓    | 1,500       | —        | 1525   | ✓       | ✓    | ✓    | 91,000      | —        | 9135   | ✓       | ✓    | ✓    | 5.6 MEG     | —        | 5655   | ✓       | ✓    | ✓    |
| 27          | —        | 2705   | ✓       | ✓    | ✓    | 1,600       | —        | 1625   | ✓       | ✓    | ✓    | 100,000     | —        | 1045   | ✓       | ✓    | ✓    | 6.2 MEG     | —        | 6255   | ✓       | ✓    | ✓    |
| 30          | —        | 3005   | ✓       | ✓    | ✓    | 1,800       | —        | 1825   | ✓       | ✓    | ✓    | 110,000     | —        | 1145   | ✓       | ✓    | ✓    | 6.8 MEG     | —        | 6855   | ✓       | ✓    | ✓    |
| 33          | —        | 3305   | ✓       | ✓    | ✓    | 2,000       | —        | 2025   | ✓       | ✓    | ✓    | 120,000     | —        | 1245   | ✓       | ✓    | ✓    | 7.5 MEG     | —        | 7555   | ✓       | ✓    | ✓    |
| 36          | —        | 3605   | ✓       | ✓    | ✓    | 2,200       | —        | 2225   | ✓       | ✓    | ✓    | 130,000     | —        | 1345   | ✓       | ✓    | ✓    | 8.2 MEG     | —        | 8255   | ✓       | ✓    | ✓    |
| 39          | —        | 3905   | ✓       | ✓    | ✓    | 2,400       | —        | 2425   | ✓       | ✓    | ✓    | 150,000     | —        | 1545   | ✓       | ✓    | ✓    | 9.1 MEG     | —        | 9155   | ✓       | ✓    | ✓    |
| 43          | —        | 4305   | ✓       | ✓    | ✓    | 2,700       | —        | 2725   | ✓       | ✓    | ✓    | 160,000     | —        | 1645   | ✓       | ✓    | ✓    | 10 MEG      | —        | 1065   | ✓       | ✓    | ✓    |
| 47          | —        | 4705   | ✓       | ✓    | ✓    | 3,000       | —        | 3025   | ✓       | ✓    | ✓    | 180,000     | —        | 1845   | ✓       | ✓    | ✓    |             |          |        |         |      |      |
| 51          | —        | 5105   | ✓       | ✓    | ✓    | 3,300       | —        | 3325   | ✓       | ✓    | ✓    | 200,000     | —        | 2045   | ✓       | ✓    | ✓    |             |          |        |         |      |      |
| 56          | —        | 5605   | ✓       | ✓    | ✓    | 3,600       | —        | 3625   | ✓       | ✓    | ✓    | 220,000     | —        | 2245   | ✓       | ✓    | ✓    |             |          |        |         |      |      |

