

# 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                  |

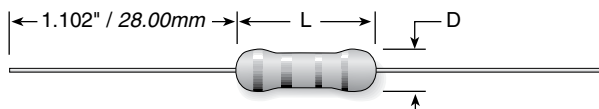
\*Available in Cabinet Assortments

## 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)

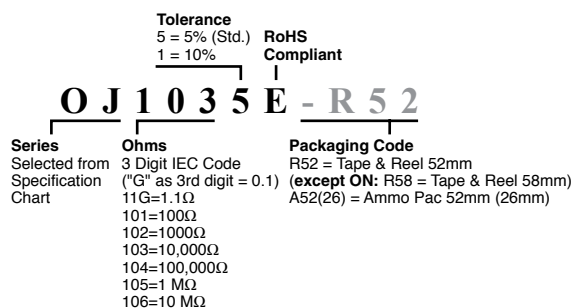
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## ORDERING INFORMATION

### Standard part numbers for standard resistance values

| Ohmic value | Part No.<br>Prefix Suffix |      | Wattage |      |      |     |     | Ohmic value | Part No.<br>Prefix Suffix |      | Wattage |      |      |     |     | Ohmic value | Part No.<br>Prefix Suffix |      | Wattage |      |      |     |     | Ohmic value | Part No.<br>Prefix Suffix |      | Wattage |      |      |     |     |
|-------------|---------------------------|------|---------|------|------|-----|-----|-------------|---------------------------|------|---------|------|------|-----|-----|-------------|---------------------------|------|---------|------|------|-----|-----|-------------|---------------------------|------|---------|------|------|-----|-----|
|             |                           |      | 0.125   | 0.25 | 0.50 | 1.0 | 2.0 |             |                           |      | 0.125   | 0.25 | 0.50 | 1.0 | 2.0 |             |                           |      | 0.125   | 0.25 | 0.50 | 1.0 | 2.0 |             |                           |      | 0.125   | 0.25 | 0.50 | 1.0 | 2.0 |
| 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 | ✓       | ✓    | ✓    | ✓   | ✓   |             |                           |      |         |      |      |     |     |



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Authorized Distributor

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