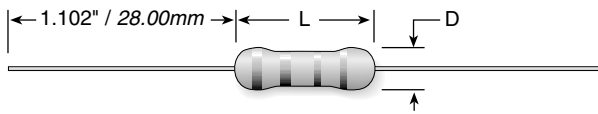


# Little Rebel®

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



| Series | Wattage | Ohms    | Dimensions (in. / mm) |              | Max. Working Voltage | Lead ga. |
|--------|---------|---------|-----------------------|--------------|----------------------|----------|
|        |         |         | Max. Length           | Max. Diam.   |                      |          |
| OJ     | 0.125   | 1.0-1M  | 0.138 / 3.5           | 0.073 / 1.85 | 200                  | 24       |
| OK     | 0.250   | 1.0-10M | 0.268 / 6.8           | 0.099 / 2.5  | 250                  | 22       |
| OL     | 0.500   | 1.0-10M | 0.355 / 9.0           | 0.118 / 3.0  | 350                  | 22       |
| OM     | 1.00    | 1.0-10M | 0.473 / 12.0          | 0.197 / 5.0  | 500                  | 20       |
| ON     | 2.00    | 1.0-10M | 0.630 / 16.0          | 0.217 / 5.5  | 500                  | 20       |

\*Available in Cabinet Assortments (See Page 73)

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.
- Quantity per reel:
  - OJ 5000
  - OK 5000
  - OL 4000
  - OM 2500
  - ON 1000

## SPECIFICATIONS

### Material

**Core:** High-grade ceramic.

**Terminals:** Solder-coated copper lead.

**Derating:** Linearly from 100% @ +70°C to 0% @ 155°C.

### Electrical

**Tolerance:** ±5%.

**Temperature Coefficient:**

1Ω to 10: ±350 ppm/°C

11Ω to 91K: -450 ppm/°C

100K to 1M: -700 ppm/°C

1.1M to 10M: -800 to 1500 ppm/°C

**Maximum Overload Voltage:**

OJ 400 Volts OM 1000 Volts

OK 500 Volts ON 1000 Volts

OL 700 Volts

## ORDERING INFORMATION

| Tolerance                               |                                                                                                                                           | RoHS<br>Compliant                                                                                       |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 5 = 5% (Std.)                           |                                                                                                                                           |                                                                                                         |
| 1 = 10%                                 |                                                                                                                                           |                                                                                                         |
| <b>O J 1 0 3 5 E - R 5 2</b>            |                                                                                                                                           |                                                                                                         |
| <b>Series</b>                           | <b>Ohms</b>                                                                                                                               | <b>Packaging Code</b>                                                                                   |
| Selected from<br>Specification<br>Chart | 3 Digit IEC Code<br>("G" as 3rd digit = 0.1)<br>11G=1.1Ω<br>101=100Ω<br>102=1000Ω<br>103=10,000Ω<br>104=100,000Ω<br>105=1 MΩ<br>106=10 MΩ | R52 = Tape & Reel 52mm<br>( <b>except ON:</b> R58 = Tape & Reel 58mm)<br>A52(26) = Ammo Pac 52mm (26mm) |

## STANDARD PART NUMBERS FOR STANDARD RESISTANCE VALUES

| Ohmic value                      |      |         |      |      |     | Ohmic value                      |      |         |      |      |     | Ohmic value                      |      |         |      |      |     | Ohmic value                      |      |         |      |      |     | Ohmic value                      |      |         |      |      |     |
|----------------------------------|------|---------|------|------|-----|----------------------------------|------|---------|------|------|-----|----------------------------------|------|---------|------|------|-----|----------------------------------|------|---------|------|------|-----|----------------------------------|------|---------|------|------|-----|
| Part No.<br>Prefix ▶<br>Suffix ▼ |      | Wattage |      |      |     | Part No.<br>Prefix ▶<br>Suffix ▼ |      | Wattage |      |      |     | Part No.<br>Prefix ▶<br>Suffix ▼ |      | Wattage |      |      |     | Part No.<br>Prefix ▶<br>Suffix ▼ |      | Wattage |      |      |     | Part No.<br>Prefix ▶<br>Suffix ▼ |      | Wattage |      |      |     |
|                                  |      | 0.125   | 0.25 | 0.50 | 1.0 |                                  |      | 0.125   | 0.25 | 0.50 | 1.0 |                                  |      | 0.125   | 0.25 | 0.50 | 1.0 |                                  |      | 0.125   | 0.25 | 0.50 | 1.0 |                                  |      | 0.125   | 0.25 | 0.50 | 1.0 |
| 1                                | 10G5 | ✓       | ✓    | ✓    | ✓   | 30                               | 30G5 | ✓       | ✓    | ✓    | ✓   | 820                              | 82G5 | ✓       | ✓    | ✓    | ✓   | 24,000                           | 24G5 | ✓       | ✓    | ✓    | ✓   | 680,000                          | 68G5 | ✓       | ✓    | ✓    | ✓   |
| 1.1                              | 11G5 | ✓       | ✓    | ✓    | ✓   | 33                               | 33G5 | ✓       | ✓    | ✓    | ✓   | 910                              | 91G5 | ✓       | ✓    | ✓    | ✓   | 27,000                           | 27G5 | ✓       | ✓    | ✓    | ✓   | 750,000                          | 75G5 | ✓       | ✓    | ✓    | ✓   |
| 1.2                              | 12G5 | ✓       | ✓    | ✓    | ✓   | 36                               | 36G5 | ✓       | ✓    | ✓    | ✓   | 1,000                            | 10G5 | ✓       | ✓    | ✓    | ✓   | 30,000                           | 30G5 | ✓       | ✓    | ✓    | ✓   | 820,000                          | 82G5 | ✓       | ✓    | ✓    | ✓   |
| 1.3                              | 13G5 | ✓       | ✓    | ✓    | ✓   | 39                               | 39G5 | ✓       | ✓    | ✓    | ✓   | 1,100                            | 11G5 | ✓       | ✓    | ✓    | ✓   | 33,000                           | 33G5 | ✓       | ✓    | ✓    | ✓   | 910,000                          | 91G5 | ✓       | ✓    | ✓    | ✓   |
| 1.5                              | 15G5 | ✓       | ✓    | ✓    | ✓   | 43                               | 43G5 | ✓       | ✓    | ✓    | ✓   | 1,200                            | 12G5 | ✓       | ✓    | ✓    | ✓   | 36,000                           | 36G5 | ✓       | ✓    | ✓    | ✓   | 1 MEG                            | 10G5 | ✓       | ✓    | ✓    | ✓   |
| 1.6                              | 16G5 | ✓       | ✓    | ✓    | ✓   | 47                               | 47G5 | ✓       | ✓    | ✓    | ✓   | 1,300                            | 13G5 | ✓       | ✓    | ✓    | ✓   | 39,000                           | 39G5 | ✓       | ✓    | ✓    | ✓   | 1.1 MEG                          | 11G5 | ✓       | ✓    | ✓    | ✓   |
| 1.8                              | 18G5 | ✓       | ✓    | ✓    | ✓   | 51                               | 51G5 | ✓       | ✓    | ✓    | ✓   | 1,500                            | 15G5 | ✓       | ✓    | ✓    | ✓   | 43,000                           | 43G5 | ✓       | ✓    | ✓    | ✓   | 1.2 MEG                          | 12G5 | ✓       | ✓    | ✓    | ✓   |
| 2.0                              | 20G5 | ✓       | ✓    | ✓    | ✓   | 56                               | 56G5 | ✓       | ✓    | ✓    | ✓   | 1,600                            | 16G5 | ✓       | ✓    | ✓    | ✓   | 47,000                           | 47G5 | ✓       | ✓    | ✓    | ✓   | 1.3 MEG                          | 13G5 | ✓       | ✓    | ✓    | ✓   |
| 2.2                              | 22G5 | ✓       | ✓    | ✓    | ✓   | 62                               | 62G5 | ✓       | ✓    | ✓    | ✓   | 1,800                            | 18G5 | ✓       | ✓    | ✓    | ✓   | 51,000                           | 51G5 | ✓       | ✓    | ✓    | ✓   | 1.5 MEG                          | 15G5 | ✓       | ✓    | ✓    | ✓   |
| 2.4                              | 24G5 | ✓       | ✓    | ✓    | ✓   | 68                               | 68G5 | ✓       | ✓    | ✓    | ✓   | 2,000                            | 20G5 | ✓       | ✓    | ✓    | ✓   | 56,000                           | 56G5 | ✓       | ✓    | ✓    | ✓   | 1.6 MEG                          | 16G5 | ✓       | ✓    | ✓    | ✓   |
| 2.7                              | 27G5 | ✓       | ✓    | ✓    | ✓   | 75                               | 75G5 | ✓       | ✓    | ✓    | ✓   | 2,200                            | 22G5 | ✓       | ✓    | ✓    | ✓   | 62,000                           | 62G5 | ✓       | ✓    | ✓    | ✓   | 1.8 MEG                          | 18G5 | ✓       | ✓    | ✓    | ✓   |
| 3.0                              | 30G5 | ✓       | ✓    | ✓    | ✓   | 82                               | 82G5 | ✓       | ✓    | ✓    | ✓   | 2,400                            | 24G5 | ✓       | ✓    | ✓    | ✓   | 68,000                           | 68G5 | ✓       | ✓    | ✓    | ✓   | 2.0 MEG                          | 20G5 | ✓       | ✓    | ✓    | ✓   |
| 3.3                              | 33G5 | ✓       | ✓    | ✓    | ✓   | 91                               | 91G5 | ✓       | ✓    | ✓    | ✓   | 2,700                            | 27G5 | ✓       | ✓    | ✓    | ✓   | 75,000                           | 75G5 | ✓       | ✓    | ✓    | ✓   | 2.2 MEG                          | 22G5 | ✓       | ✓    | ✓    | ✓   |
| 3.6                              | 36G5 | ✓       | ✓    | ✓    | ✓   | 100                              | 10G5 | ✓       | ✓    | ✓    | ✓   | 3,000                            | 30G5 | ✓       | ✓    | ✓    | ✓   | 82,000                           | 82G5 | ✓       | ✓    | ✓    | ✓   | 2.4 MEG                          | 24G5 | ✓       | ✓    | ✓    | ✓   |
| 3.9                              | 39G5 | ✓       | ✓    | ✓    | ✓   | 110                              | 11G5 | ✓       | ✓    | ✓    | ✓   | 3,300                            | 33G5 | ✓       | ✓    | ✓    | ✓   | 91,000                           | 91G5 | ✓       | ✓    | ✓    | ✓   | 2.7 MEG                          | 27G5 | ✓       | ✓    | ✓    | ✓   |
| 4.3                              | 43G5 | ✓       | ✓    | ✓    | ✓   | 120                              | 12G5 | ✓       | ✓    | ✓    | ✓   | 3,600                            | 36G5 | ✓       | ✓    | ✓    | ✓   | 100,000                          | 10G5 | ✓       | ✓    | ✓    | ✓   | 3.0 MEG                          | 30G5 | ✓       | ✓    | ✓    | ✓   |
| 4.7                              | 47G5 | ✓       | ✓    | ✓    | ✓   | 130                              | 13G5 | ✓       | ✓    | ✓    | ✓   | 3,900                            | 39G5 | ✓       | ✓    | ✓    | ✓   | 110,000                          | 11G5 | ✓       | ✓    | ✓    | ✓   | 3.3 MEG                          | 33G5 | ✓       | ✓    | ✓    | ✓   |
| 5.1                              | 51G5 | ✓       | ✓    | ✓    | ✓   | 150                              | 15G5 | ✓       | ✓    | ✓    | ✓   | 4,300                            | 43G5 | ✓       | ✓    | ✓    | ✓   | 120,000                          | 12G5 | ✓       | ✓    | ✓    | ✓   | 3.6 MEG                          | 36G5 | ✓       | ✓    | ✓    | ✓   |
| 5.6                              | 56G5 | ✓       | ✓    | ✓    | ✓   | 160                              | 16G5 | ✓       | ✓    | ✓    | ✓   | 4,700                            | 47G5 | ✓       | ✓    | ✓    | ✓   | 130,000                          | 13G5 | ✓       | ✓    | ✓    | ✓   | 3.9 MEG                          | 39G5 | ✓       | ✓    | ✓    | ✓   |
| 6.2                              | 62G5 | ✓       | ✓    | ✓    | ✓   | 180                              | 18G5 | ✓       | ✓    | ✓    | ✓   | 5,100                            | 51G5 | ✓       | ✓    | ✓    | ✓   | 150,000                          | 15G5 | ✓       | ✓    | ✓    | ✓   | 4.3 MEG                          | 43G5 | ✓       | ✓    | ✓    | ✓   |
| 6.8                              | 68G5 | ✓       | ✓    | ✓    | ✓   | 200                              | 20G5 | ✓       | ✓    | ✓    | ✓   | 5,600                            | 56G5 | ✓       | ✓    | ✓    | ✓   | 160,000                          | 16G5 | ✓       | ✓    | ✓    | ✓   | 4.7 MEG                          | 47G5 | ✓       | ✓    | ✓    | ✓   |
| 7.5                              | 75G5 | ✓       | ✓    | ✓    | ✓   | 220                              | 22G5 | ✓       | ✓    | ✓    | ✓   | 6,200                            | 62G5 | ✓       | ✓    | ✓    | ✓   | 180,000                          | 18G5 | ✓       | ✓    | ✓    | ✓   | 5.1 MEG                          | 51G5 | ✓       | ✓    | ✓    | ✓   |
| 8.2                              | 82G5 | ✓       | ✓    | ✓    | ✓   | 240                              | 24G5 | ✓       | ✓    | ✓    | ✓   | 6,800                            | 68G5 | ✓       | ✓    | ✓    | ✓   | 200,000                          | 20G5 | ✓       | ✓    | ✓    | ✓   | 5.6 MEG                          | 56G5 | ✓       | ✓    | ✓    | ✓   |
| 9.1                              | 91G5 | ✓       | ✓    | ✓    | ✓   | 270                              | 27G5 | ✓       | ✓    | ✓    | ✓   | 7,500                            | 75G5 | ✓       | ✓    | ✓    | ✓   | 220,000                          | 22G5 | ✓       | ✓    | ✓    | ✓   | 6.2 MEG                          | 62G5 | ✓       | ✓    | ✓    | ✓   |
| 10                               | 10G5 | ✓       | ✓    | ✓    | ✓   | 330                              | 33G5 | ✓       | ✓    | ✓    | ✓   | 8,200                            | 82G5 | ✓       | ✓    | ✓    | ✓   | 240,000                          | 24G5 | ✓       | ✓    | ✓    | ✓   | 6.8 MEG                          | 68G5 | ✓       | ✓    | ✓    | ✓   |
| 11                               | 11G5 | ✓       | ✓    | ✓    | ✓   | 350                              | 35G5 | ✓       | ✓    | ✓    | ✓   | 9,100                            | 91G5 | ✓       | ✓    | ✓    | ✓   | 270,000                          | 27G5 | ✓       | ✓    | ✓    | ✓   | 7.5 MEG                          | 75G5 | ✓       | ✓    | ✓    | ✓   |
| 12                               | 12G5 | ✓       | ✓    | ✓    | ✓   | 360                              | 36G5 | ✓       | ✓    | ✓    | ✓   | 10,000                           | 10G5 | ✓       | ✓    | ✓    | ✓   | 300,000                          | 30G5 | ✓       | ✓    | ✓    | ✓   | 8.2 MEG                          | 82G5 | ✓       | ✓    | ✓    | ✓   |
| 13                               | 13G5 | ✓       | ✓    | ✓    | ✓   | 390                              | 39G5 | ✓       | ✓    | ✓    | ✓   | 11,000                           | 11G5 | ✓       | ✓    | ✓    | ✓   | 330,000                          | 33G5 | ✓       | ✓    | ✓    | ✓   | 9.1 MEG                          | 91G5 | ✓       | ✓    | ✓    | ✓   |
| 15                               | 15G5 | ✓       | ✓    | ✓    | ✓   | 430                              | 43G5 | ✓       | ✓    | ✓    | ✓   | 12,000                           | 12G5 | ✓       | ✓    | ✓    | ✓   | 360,000                          | 36G5 | ✓       | ✓    | ✓    | ✓   | 10 MEG                           | 10G5 | ✓       | ✓    | ✓    | ✓   |
| 16                               | 16G5 | ✓       | ✓    | ✓    | ✓   | 470                              | 47G5 | ✓       | ✓    | ✓    | ✓   | 13,000                           | 13G5 | ✓       | ✓    | ✓    | ✓   | 390,000                          | 39G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |
| 18                               | 18G5 | ✓       | ✓    | ✓    | ✓   | 510                              | 51G5 | ✓       | ✓    | ✓    | ✓   | 15,000                           | 15G5 | ✓       | ✓    | ✓    | ✓   | 430,000                          | 43G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |
| 20                               | 20G5 | ✓       | ✓    | ✓    | ✓   | 560                              | 56G5 | ✓       | ✓    | ✓    | ✓   | 16,000                           | 16G5 | ✓       | ✓    | ✓    | ✓   | 470,000                          | 47G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |
| 22                               | 22G5 | ✓       | ✓    | ✓    | ✓   | 620                              | 62G5 | ✓       | ✓    | ✓    | ✓   | 18,000                           | 18G5 | ✓       | ✓    | ✓    | ✓   | 510,000                          | 51G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |
| 24                               | 24G5 | ✓       | ✓    | ✓    | ✓   | 680                              | 68G5 | ✓       | ✓    | ✓    | ✓   | 20,000                           | 20G5 | ✓       | ✓    | ✓    | ✓   | 560,000                          | 56G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |
| 27                               | 27G5 | ✓       | ✓    | ✓    | ✓   | 750                              | 75G5 | ✓       | ✓    | ✓    | ✓   | 22,000                           | 22G5 | ✓       | ✓    | ✓    | ✓   | 620,000                          | 62G5 | ✓       | ✓    | ✓    | ✓   |                                  |      |         |      |      |     |