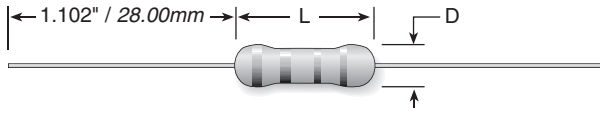


# Little Rebel<sup>®</sup>

## 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.

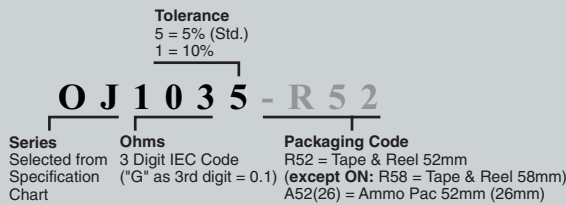
#### Electrical

**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  
OK 500 Volts  
OL 700 Volts  
OM 1000 Volts  
ON 1000 Volts

### ORDERING INFORMATION



### STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

| Ohmic value | Part No. Prefix Suffix | Wattage |      |      |     |     | Ohmic value | Part No. Prefix Suffix | Wattage |      |      |     |     | Ohmic value | Part No. Prefix Suffix | Wattage |      |      |     |     | Ohmic value | Part No. 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                   | ✓       | ✓    | ✓    | ✓   | ✓   | 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                   | ✓       | ✓    | ✓    | ✓   | ✓   |         |      |   |   |   |   |   |