

Ohmite's Little Demons are small, reliable carbon composition resistors with exceptional strength. They are made tough by a molding process that combines the terminals, insulation and resistive element into an integrated unit. Along with their small size, Little Demons perform with low noise, dissipate heat rapidly and offer high temperature stability.

Color codes are readable even after prolonged use thanks to a very durable coating that resists abrasions and chipping normally associated with automatic insertion equipment.

## FEATURES

- Molded insulation for high dielectric strength.
- Rugged construction.
- High surge capabilities.
- Comparable to "Mil" RC07, RC20, and RC32 types.

## SPECIFICATIONS

### Material

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

**Body:** Molded Phenolic

### Electrical

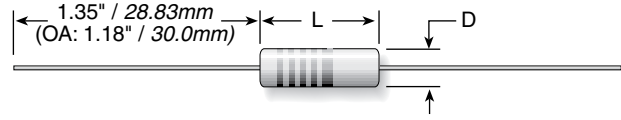
**Tolerance:** ±5% (OD/OF); ±10% (OA)

**Derating:** Linearly from 100% @ +70°C to 0% @ 130°C



# Little Demon®

## Carbon Composition Molded OD/OF Series (5% Tol.) OA Series (10%)



**ORDERING INFO**

RoHS compliant

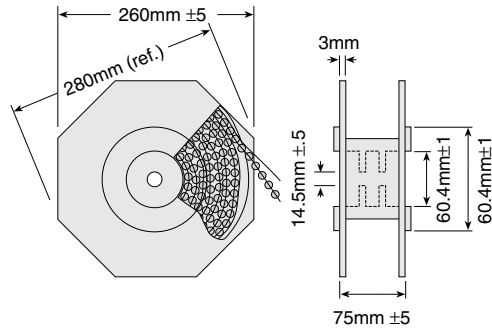
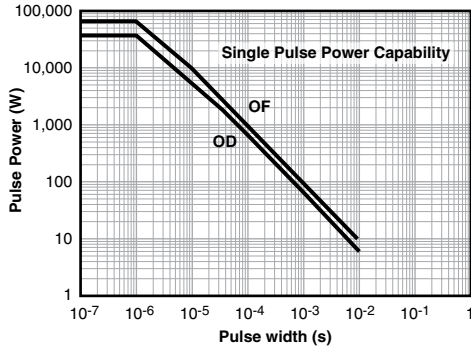
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| Series | Ohms          | Tolerance      |
|--------|---------------|----------------|
| OD     | 68G = 6.8     | OD, OF: J = 5% |
| OF     | 680 = 68      | OA: K = 10%    |
| OA     | 681 = 680     |                |
|        | 682 = 6,800   |                |
|        | 683 = 68,000  |                |
|        | 684 = 680,000 |                |

| Series | Wattage | Ohms     | Tol. | Dimensions (in. / mm) |             | Max. Dielectric |           |
|--------|---------|----------|------|-----------------------|-------------|-----------------|-----------|
|        |         |          |      | Length                | Max Diam.   | Voltage VAC     | Lead Dia. |
| OD     | 0.25    | 2.2-5.6M | ±5%  | 0.276 / 7.0           | 0.098 / 2.5 | 250             | 500       |
| OF     | 0.50    | 2.2-20M  | ±5%  | 0.406 / 10.3          | 0.150 / 3.8 | 350             | 700       |
| OA     | 1.00    | 2.2-1M   | ±10% | 0.591 / 15.0          | 0.236 / 6.0 | 500             | 1000      |

## PACKAGING

For complete Little Demon tape and reel dimensions, see: <http://www.ohmite.com/info/little-demon>



|                               | OD     | OF     |
|-------------------------------|--------|--------|
| <b>Tape/Reel</b>              |        |        |
| Qty./reel                     | 5000   | 3000   |
| Reel size (mm)                | 260    | 260    |
| Qty./carton                   | 40,000 | 24,000 |
| Gross carton wt. (kg)         | 12     | 13     |
| Carton size (m <sup>3</sup> ) | 0.04   | 0.04   |
| <b>Ammo Box</b>               |        |        |
| Tape width (mm)               | 52     | 52     |
| Qty./box                      | 2000   | 2000   |
| Qty./carton                   | 30,000 | 30,000 |
| Gross carton wt. (kg)         | 10     | 16     |
| Carton size (m <sup>3</sup> ) | 0.03   | 0.05   |

## STANDARD PART NUMBERS FOR LITTLE DEMON SERIES

| Ohmic value | Wattage                |    |    | Ohmic value | Wattage  |                        |    | Ohmic value | Wattage |          |                        | Ohmic value | Wattage |    |          | Ohmic value | Wattage                |    |    |          |                        |    |    |
|-------------|------------------------|----|----|-------------|----------|------------------------|----|-------------|---------|----------|------------------------|-------------|---------|----|----------|-------------|------------------------|----|----|----------|------------------------|----|----|
|             | Part No. Prefix Suffix | OD | OF |             | OA * 1.0 | Part No. Prefix Suffix | OD |             | OF      | OA * 1.0 | Part No. Prefix Suffix |             | OD      | OF | OA * 1.0 |             | Part No. Prefix Suffix | OD | OF | OA * 1.0 | Part No. Prefix Suffix | OD | OF |
| 2.2         | 22GJE                  | ✓  | ✓  | 33          | 330JE    | ✓                      | ✓  | 470         | 471JE   | ✓        | ✓                      | 6800        | 682JE   | ✓  | ✓        | 100,000     | 104JE                  | ✓  | ✓  | 1.5M     | 155JE                  | ✓  | ✓  |
| 2.4         | 24GJE                  | ✓  | ✓  | 36          | 360JE    | ✓                      | ✓  | 510         | 511JE   | ✓        | ✓                      | 7500        | 752JE   | ✓  | ✓        | 110,000     | 114JE                  | ✓  | ✓  | 1.6M     | 165JE                  | ✓  | ✓  |
| 2.7         | 27GJE                  | ✓  | ✓  | 39          | 390JE    | ✓                      | ✓  | 560         | 561JE   | ✓        | ✓                      | 8200        | 822JE   | ✓  | ✓        | 120,000     | 124JE                  | ✓  | ✓  | 1.8M     | 185JE                  | ✓  | ✓  |
| 3           | 30GJE                  | ✓  | ✓  | 43          | 430JE    | ✓                      | ✓  | 620         | 621JE   | ✓        | ✓                      | 9100        | 912JE   | ✓  | ✓        | 130,000     | 134JE                  | ✓  | ✓  | 2.0M     | 205JE                  | ✓  | ✓  |
| 3.3         | 33GJE                  | ✓  | ✓  | 47          | 470JE    | ✓                      | ✓  | 680         | 681JE   | ✓        | ✓                      | 10,000      | 103JE   | ✓  | ✓        | 150,000     | 154JE                  | ✓  | ✓  | 2.2M     | 225JE                  | ✓  | ✓  |
| 3.6         | 36GJE                  | ✓  | ✓  | 51          | 510JE    | ✓                      | ✓  | 750         | 751JE   | ✓        | ✓                      | 11,000      | 113JE   | ✓  | ✓        | 160,000     | 164JE                  | ✓  | ✓  | 2.4M     | 245JE                  | ✓  | ✓  |
| 3.9         | 39GJE                  | ✓  | ✓  | 56          | 560JE    | ✓                      | ✓  | 820         | 821JE   | ✓        | ✓                      | 12,000      | 123JE   | ✓  | ✓        | 180,000     | 184JE                  | ✓  | ✓  | 2.7M     | 275JE                  | ✓  | ✓  |
| 4.3         | 43GJE                  | ✓  | ✓  | 62          | 620JE    | ✓                      | ✓  | 910         | 911JE   | ✓        | ✓                      | 13,000      | 133JE   | ✓  | ✓        | 200,000     | 204JE                  | ✓  | ✓  | 3.0M     | 305JE                  | ✓  | ✓  |
| 4.7         | 47GJE                  | ✓  | ✓  | 68          | 680JE    | ✓                      | ✓  | 1000        | 102JE   | ✓        | ✓                      | 15,000      | 153JE   | ✓  | ✓        | 220,000     | 224JE                  | ✓  | ✓  | 3.3M     | 335JE                  | ✓  | ✓  |
| 5.1         | 51GJE                  | ✓  | ✓  | 75          | 750JE    | ✓                      | ✓  | 1100        | 112JE   | ✓        | ✓                      | 16,000      | 163JE   | ✓  | ✓        | 240,000     | 244JE                  | ✓  | ✓  | 3.6M     | 365JE                  | ✓  | ✓  |
| 5.6         | 56GJE                  | ✓  | ✓  | 82          | 820JE    | ✓                      | ✓  | 1200        | 122JE   | ✓        | ✓                      | 18,000      | 183JE   | ✓  | ✓        | 270,000     | 274JE                  | ✓  | ✓  | 3.9M     | 395JE                  | ✓  | ✓  |
| 6.2         | 62GJE                  | ✓  | ✓  | 91          | 910JE    | ✓                      | ✓  | 1300        | 132JE   | ✓        | ✓                      | 20,000      | 203JE   | ✓  | ✓        | 300,000     | 304JE                  | ✓  | ✓  | 4.3M     | 435JE                  | ✓  | ✓  |
| 6.8         | 68GJE                  | ✓  | ✓  | 100         | 101JE    | ✓                      | ✓  | 1500        | 152JE   | ✓        | ✓                      | 22,000      | 223JE   | ✓  | ✓        | 330,000     | 334JE                  | ✓  | ✓  | 4.7M     | 475JE                  | ✓  | ✓  |
| 7.5         | 75GJE                  | ✓  | ✓  | 110         | 111JE    | ✓                      | ✓  | 1600        | 162JE   | ✓        | ✓                      | 24,000      | 243JE   | ✓  | ✓        | 360,000     | 364JE                  | ✓  | ✓  | 5.1M     | 515JE                  | ✓  | ✓  |
| 8.2         | 82GJE                  | ✓  | ✓  | 120         | 121JE    | ✓                      | ✓  | 1800        | 182JE   | ✓        | ✓                      | 27,000      | 273JE   | ✓  | ✓        | 390,000     | 394JE                  | ✓  | ✓  | 5.6M     | 565JE                  | ✓  | ✓  |
| 9.1         | 91GJE                  | ✓  | ✓  | 130         | 131JE    | ✓                      | ✓  | 2000        | 202JE   | ✓        | ✓                      | 30,000      | 303JE   | ✓  | ✓        | 430,000     | 434JE                  | ✓  | ✓  | 6.2M     | 625JE                  | ✓  | ✓  |
| 10          | 100JE                  | ✓  | ✓  | 150         | 151JE    | ✓                      | ✓  | 2200        | 222JE   | ✓        | ✓                      | 33,000      | 333JE   | ✓  | ✓        | 470,000     | 474JE                  | ✓  | ✓  | 6.8M     | 685JE                  | ✓  | ✓  |
| 11          | 110JE                  | ✓  | ✓  | 160         | 161JE    | ✓                      | ✓  | 2400        | 242JE   | ✓        | ✓                      | 36,000      | 363JE   | ✓  | ✓        | 510,000     | 514JE                  | ✓  | ✓  | 7.5M     | 755JE                  | ✓  | ✓  |
| 12          | 120JE                  | ✓  | ✓  | 180         | 181JE    | ✓                      | ✓  | 2700        | 272JE   | ✓        | ✓                      | 39,000      | 393JE   | ✓  | ✓        | 560,000     | 564JE                  | ✓  | ✓  | 8.2M     | 825JE                  | ✓  | ✓  |
| 13          | 130JE                  | ✓  | ✓  | 200         | 201JE    | ✓                      | ✓  | 3000        | 302JE   | ✓        | ✓                      | 43,000      | 433JE   | ✓  | ✓        | 620,000     | 624JE                  | ✓  | ✓  | 9.1M     | 915JE                  | ✓  | ✓  |
| 15          | 150JE                  | ✓  | ✓  | 220         | 221JE    | ✓                      | ✓  | 3300        | 332JE   | ✓        | ✓                      | 47,000      | 473JE   | ✓  | ✓        | 680,000     | 684JE                  | ✓  | ✓  | 10M      | 106JE                  | ✓  | ✓  |
| 16          | 160JE                  | ✓  | ✓  | 240         | 241JE    | ✓                      | ✓  | 3600        | 362JE   | ✓        | ✓                      | 51,000      | 513JE   | ✓  | ✓        | 750,000     | 754JE                  | ✓  | ✓  | 11M      | 116JE                  | ✓  | ✓  |
| 18          | 180JE                  | ✓  | ✓  | 270         | 271JE    | ✓                      | ✓  | 3900        | 392JE   | ✓        | ✓                      | 56,000      | 563JE   | ✓  | ✓        | 820,000     | 824JE                  | ✓  | ✓  | 12M      | 126JE                  | ✓  | ✓  |
| 20          | 200JE                  | ✓  | ✓  | 300         | 301JE    | ✓                      | ✓  | 4300        | 432JE   | ✓        | ✓                      | 62,000      | 623JE   | ✓  | ✓        | 910,000     | 914JE                  | ✓  | ✓  | 13M      | 136JE                  | ✓  | ✓  |
| 22          | 220JE                  | ✓  | ✓  | 330         | 331JE    | ✓                      | ✓  | 4700        | 472JE   | ✓        | ✓                      | 68,000      | 683JE   | ✓  | ✓        | 1M          | 105JE                  | ✓  | ✓  | 15M      | 156JE                  | ✓  | ✓  |
| 24          | 240JE                  | ✓  | ✓  | 360         | 361JE    | ✓                      | ✓  | 5100        | 512JE   | ✓        | ✓                      | 75,000      | 753JE   | ✓  | ✓        | 1.1M        | 115JE                  | ✓  | ✓  | 16M      | 166JE                  | ✓  | ✓  |
| 27          | 270JE                  | ✓  | ✓  | 390         | 391JE    | ✓                      | ✓  | 5600        | 562JE   | ✓        | ✓                      | 82,000      | 823JE   | ✓  | ✓        | 1.2M        | 125JE                  | ✓  | ✓  | 18M      | 186JE                  | ✓  | ✓  |
| 30          | 300JE                  | ✓  | ✓  | 430         | 431JE    | ✓                      | ✓  | 6200        | 622JE   | ✓        | ✓                      | 91,000      | 913JE   | ✓  | ✓        | 1.3M        | 135JE                  | ✓  | ✓  | 20M      | 206JE                  | ✓  | ✓  |

\* Shaded area: Change "J" in Suffix to "K"