

# 1 WATT CARBON COMPOSITION

| Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number | Value in Ohms | NTE Stock Number |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 10            | 1WCC010          | 150           | 1WCC115          | 2.2K          | 1WCC222          | 33K           | 1WCC333          | 470K          | 1WCC447          |               |                  |               |                  |
| 15            | 1WCC015          | 220           | 1WCC122          | 3.3K          | 1WCC233          | 47K           | 1WCC347          | 680K          | 1WCC468          |               |                  |               |                  |
| 22            | 1WCC022          | 330           | 1WCC133          | 4.7K          | 1WCC247          | 68K           | 1WCC368          | 1M            | 1WCC510          |               |                  |               |                  |
| 33            | 1WCC033          | 470           | 1WCC147          | 6.8K          | 1WCC268          | 100K          | 1WCC410          |               |                  |               |                  |               |                  |
| 47            | 1WCC047          | 680           | 1WCC168          | 10K           | 1WCC310          | 150K          | 1WCC415          |               |                  |               |                  |               |                  |
| 68            | 1WCC068          | 1K            | 1WCC210          | 15K           | 1WCC315          | 220K          | 1WCC422          |               |                  |               |                  |               |                  |
| 100           | 1WCC110          | 1.5K          | 1WCC215          | 22K           | 1WCC322          | 330K          | 1WCC433          |               |                  |               |                  |               |                  |

## SPECIFICATIONS

### Electrical Characteristics @ 70°C

| NTE Number           | Resistance Range (Ohms) | Tolerance (%) | Voltage (Volts) | Operating Temperature (Topr) | Temperature Coefficient (PPM/°C) |
|----------------------|-------------------------|---------------|-----------------|------------------------------|----------------------------------|
| 1WCC010 thru 1WCC510 | 10 to 1M                | 10            | 500             | -55° to +150°C               | ±0.15%                           |

### Mechanical\* (Typical, inches/mm)

| NTE Number           | Body Length (L) | Body Diameter (D) | Lead Diameter (d) | Lead Length (LL) |
|----------------------|-----------------|-------------------|-------------------|------------------|
| 1WCC010 thru 1WCC510 | 0.562 (14.27)   | 0.225 (5.72)      | 0.036 (0.91)      | 1.000 (25.4)     |

\* These dimensions are for reference only, please consult the factory for actual size.

