

# 2 WATT METAL

| 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 |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 0.10          | 2WD10            | 4.3           | 2W4D3            | 56            | 2W056            | 750           | 2W175            | 10K           | 2W310            | 130K          | 2W413            | 1.8M          | 2W518            |
| 0.12          | 2WD12            | 4.7           | 2W4D7            | 62            | 2W062            | 820           | 2W182            | 11K           | 2W311            | 150K          | 2W415            | 2M            | 2W520            |
| 0.15          | 2WD15            | 5.1           | 2W5D1            | 68            | 2W068            | 910           | 2W191            | 12K           | 2W312            | 160K          | 2W416            | 2.2M          | 2W522            |
| 0.18          | 2WD18            | 5.6           | 2W5D6            | 75            | 2W075            | 1K            | 2W210            | 13K           | 2W313            | 180K          | 2W418            | 2.4M          | 2W524            |
| 0.22          | 2WD22            | 6.2           | 2W6D2            | 82            | 2W082            | 1.1K          | 2W211            | 15K           | 2W315            | 200K          | 2W420            | 2.7M          | 2W527            |
| 0.27          | 2WD27            | 6.8           | 2W6D8            | 91            | 2W091            | 1.2K          | 2W212            | 16K           | 2W316            | 220K          | 2W422            | 3M            | 2W530            |
| 0.33          | 2WD33            | 7.5           | 2W7D5            | 100           | 2W110            | 1.3K          | 2W213            | 18K           | 2W318            | 240K          | 2W424            | 3.3M          | 2W533            |
| 0.39          | 2WD39            | 8.2           | 2W8D2            | 110           | 2W111            | 1.5K          | 2W215            | 20K           | 2W320            | 270K          | 2W427            | 3.6M          | 2W536            |
| 0.47          | 2WD47            | 9.1           | 2W9D1            | 120           | 2W112            | 1.6K          | 2W216            | 22K           | 2W322            | 300K          | 2W430            | 3.9M          | 2W539            |
| 0.56          | 2WD56            | 10            | 2W010            | 130           | 2W113            | 1.8K          | 2W218            | 24K           | 2W324            | 330K          | 2W433            | 4.3M          | 2W543            |
| 0.68          | 2WD68            | 11            | 2W011            | 150           | 2W115            | 2K            | 2W220            | 27K           | 2W327            | 360K          | 2W436            | 4.7M          | 2W547            |
| 0.82          | 2WD82            | 12            | 2W012            | 160           | 2W116            | 2.2K          | 2W222            | 30K           | 2W330            | 390K          | 2W439            | 5.1M          | 2W551            |
| 1.0           | 2W1D0            | 13            | 2W013            | 180           | 2W118            | 2.4K          | 2W224            | 33K           | 2W333            | 430K          | 2W443            | 5.6M          | 2W556            |
| 1.1           | 2W1D1            | 15            | 2W015            | 200           | 2W120            | 2.7K          | 2W227            | 36K           | 2W336            | 470K          | 2W447            | 6.2M          | 2W562            |
| 1.2           | 2W1D2            | 16            | 2W016            | 220           | 2W122            | 3K            | 2W230            | 39K           | 2W339            | 510K          | 2W451            | 6.8M          | 2W568            |
| 1.3           | 2W1D3            | 18            | 2W018            | 240           | 2W124            | 3.3K          | 2W233            | 43K           | 2W343            | 560K          | 2W456            | 7.5M          | 2W575            |
| 1.5           | 2W1D5            | 20            | 2W020            | 270           | 2W127            | 3.6K          | 2W236            | 47K           | 2W347            | 620K          | 2W462            | 8.2M          | 2W582            |
| 1.6           | 2W1D6            | 22            | 2W022            | 300           | 2W130            | 3.9K          | 2W239            | 51K           | 2W351            | 680K          | 2W468            | 9.1M          | 2W591            |
| 1.8           | 2W1D8            | 24            | 2W024            | 330           | 2W133            | 4.3K          | 2W243            | 56K           | 2W356            | 750K          | 2W475            | 10M           | 2W610            |
| 2.0           | 2W2D0            | 27            | 2W027            | 360           | 2W136            | 4.7K          | 2W247            | 62K           | 2W362            | 820K          | 2W482            | 11M           | 2W611            |
| 2.2           | 2W2D2            | 30            | 2W030            | 390           | 2W139            | 5.1K          | 2W251            | 68K           | 2W368            | 910K          | 2W491            | 12M           | 2W612            |
| 2.4           | 2W2D4            | 33            | 2W033            | 430           | 2W143            | 5.6K          | 2W256            | 75K           | 2W375            | 1M            | 2W510            | 13M           | 2W613            |
| 2.7           | 2W2D7            | 36            | 2W036            | 470           | 2W147            | 6.2K          | 2W262            | 82K           | 2W382            | 1.1M          | 2W511            | 15M           | 2W615            |
| 3.0           | 2W3D0            | 39            | 2W039            | 510           | 2W151            | 6.8K          | 2W268            | 91K           | 2W391            | 1.2M          | 2W512            | 16M           | 2W616            |
| 3.3           | 2W3D3            | 43            | 2W043            | 560           | 2W156            | 7.5K          | 2W275            | 100K          | 2W410            | 1.3M          | 2W513            | 18M           | 2W618            |
| 3.6           | 2W3D6            | 47            | 2W047            | 620           | 2W162            | 8.2K          | 2W282            | 110K          | 2W411            | 1.5M          | 2W515            | 20M           | 2W620            |
| 3.9           | 2W3D9            | 51            | 2W051            | 680           | 2W168            | 9.1K          | 2W291            | 120K          | 2W412            | 1.6M          | 2W516            | 22M           | 2W622            |

## SPECIFICATIONS

### Electrical Characteristics @ 70°C

| NTE Number     | Resistance Range (Ohms) | Tolerance (%) | Voltage (Volts) | Operating Temperature (T <sub>opr</sub> ) | Temperature Coefficient (PPM/°C) |
|----------------|-------------------------|---------------|-----------------|-------------------------------------------|----------------------------------|
| 2WD10 to 2W9D1 | 0.10 to 9.1             | 5             | 500             | -55 ° to +200°C (Note)                    | 200                              |
| 2W010 to 2W511 | 10 to 1.1M              | 2             | 500             | -55 ° to +200°C                           | 200                              |
| 2W512 to 2W622 | 1.2M to 22M             | 2             | 500             | -55 ° to +200°C                           | 200                              |

**Note:** For values less than 0.2?, the Operating Temperature is -55 ° to +155°C.

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

| NTE Number     | Body Length (L) | Body Diameter (D) | Lead Diameter (d) | Lead Length (LL) |
|----------------|-----------------|-------------------|-------------------|------------------|
| 2WD10 to 2W9D1 | 0.590 (15)      | 0.220 (5.6)       | 0.032 (.8)        | 1.5 (38)         |
| 2W010 to 2W622 | 0.610 (15.5)    | 0.220 (5.6)       | 0.032 (.8)        | 1.18 (30)        |

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

