

# 1/4 WATT METAL, 1% TOLERANCE

| 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 |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 10.0          | QW010BR          | 402           | QW0402BR         | 3.48K         | QW1348BR         | 18K           | QW318BR          | 80.6K         | QW2806BR         |
| 12.1          | QW012D1BR        | 422           | QW0422BR         | 3.65K         | QW1365BR         | 18.2K         | QW2182BR         | 84.5K         | QW2845BR         |
| 15.0          | QW015BR          | 432           | QW0432BR         | 3.92K         | QW1392BR         | 19.6K         | QW2196BR         | 90.9K         | QW2909BR         |
| 20.0          | QW020BR          | 475           | QW0475BR         | 4.02K         | QW1402BR         | 20K           | QW320BR          | 97.6K         | QW2976BR         |
| 22.1          | QW022D1BR        | 499           | QW0499BR         | 4.32K         | QW1432BR         | 22K           | QW322BR          | 100K          | QW3100BR         |
| 24.9          | QW024D9BR        | 511           | QW0511BR         | 4.64K         | QW1464BR         | 22.1K         | QW2221BR         | 105K          | QW3105BR         |
| 27.4          | QW027D4BR        | 523           | QW0523BR         | 4.75K         | QW1475BR         | 22.6K         | QW2226BR         | 110K          | QW3110BR         |
| 30.1          | QW030D1BR        | 562           | QW0562BR         | 4.99K         | QW1499BR         | 23.2K         | QW2232BR         | 121K          | QW3121BR         |
| 33.2          | QW033D2BR        | 681           | QW0681BR         | 5.11K         | QW1511BR         | 24K           | QW324BR          | 124K          | QW3124BR         |
| 34.8          | QW034D8BR        | 732           | QW0732BR         | 5.23K         | QW1523BR         | 24.9K         | QW2249BR         | 150K          | QW3150BR         |
| 37.4          | QW037D4BR        | 750           | QW0750BR         | 5.36K         | QW1536BR         | 25.5K         | QW2255BR         | 158K          | QW3158BR         |
| 39.2          | QW039D2BR        | 806           | QW0806BR         | 5.62K         | QW1562BR         | 26.7K         | QW2267BR         | 182K          | QW3182BR         |
| 40.2          | QW040D2BR        | 825           | QW0825BR         | 6.04K         | QW1604BR         | 27K           | QW327BR          | 200K          | QW3200BR         |
| 43.2          | QW043D2BR        | 909           | QW0909BR         | 6.19K         | QW1619BR         | 27.4K         | QW2274BR         | 221K          | QW3221BR         |
| 45.3          | QW045D3BR        | 1.0K          | QW210BR          | 6.2K          | QW262BR          | 28.7K         | QW2287BR         | 226K          | QW3226BR         |
| 47.5          | QW047D5BR        | 1.05K         | QW1105BR         | 6.34K         | QW1634BR         | 30K           | QW330BR          | 249K          | QW3249BR         |
| 49.9          | QW049D9BR        | 1.1K          | QW211BR          | 6.81K         | QW1681BR         | 30.1K         | QW2301BR         | 267K          | QW3267BR         |
| 51.1          | QW051D1BR        | 1.21K         | QW1121BR         | 6.98K         | QW1698BR         | 30.9K         | QW2309BR         | 274K          | QW3274BR         |
| 56.2          | QW056D2BR        | 1.24K         | QW1124BR         | 7.5K          | QW275BR          | 32.4K         | QW2324BR         | 301K          | QW3301BR         |
| 61.9          | QW061D9BR        | 1.27K         | QW1127BR         | 7.68K         | QW1768BR         | 33K           | QW333BR          | 348K          | QW3348BR         |
| 75.0          | QW075BR          | 1.4K          | QW214BR          | 7.87K         | QW1787BR         | 33.2K         | QW2332BR         | 360K          | QW3360BR         |
| 80.6          | QW080D6BR        | 1.5K          | QW215BR          | 8.06K         | QW1806BR         | 34.8K         | QW2348BR         | 390K          | QW3390BR         |
| 90.9          | QW090D9BR        | 1.54K         | QW1154BR         | 8.2K          | QW282BR          | 38.3K         | QW2383BR         | 402K          | QW3402BR         |
| 100           | QW110BR          | 1.69K         | QW1169BR         | 8.25K         | QW1825BR         | 39.2K         | QW2392BR         | 430K          | QW3430BR         |
| 121           | QW0121BR         | 1.82K         | QW1182BR         | 8.8K          | QW288BR          | 41.2K         | QW2412BR         | 432K          | QW3432BR         |
| 133           | QW0133BR         | 2.0K          | QW220BR          | 8.87K         | QW1887BR         | 42.2K         | QW2422BR         | 470K          | QW3470BR         |
| 150           | QW115BR          | 2.15K         | QW1215BR         | 9.09K         | QW1909BR         | 43.2K         | QW2432BR         | 475K          | QW3475BR         |
| 182           | QW0182BR         | 2.21K         | QW1221BR         | 9.1K          | QW291BR          | 46.4K         | QW2464BR         | 499K          | QW3499BR         |
| 200           | QW120BR          | 2.32K         | QW1232BR         | 9.31K         | QW1931BR         | 47.5K         | QW2475BR         | 511K          | QW3511BR         |
| 215           | QW0215BR         | 2.37K         | QW1237BR         | 10K           | QW310BR          | 49.9K         | QW2499BR         | 560K          | QW3560BR         |
| 221           | QW0221BR         | 2.49K         | QW1249BR         | 10.5K         | QW2105BR         | 51.1K         | QW2511BR         | 562K          | QW3562BR         |
| 232           | QW0232BR         | 2.61K         | QW1261BR         | 10.7K         | QW2107BR         | 52.3K         | QW2523BR         | 620K          | QW3620BR         |
| 243           | QW0243BR         | 2.74K         | QW1274BR         | 11.3K         | QW2113BR         | 54.9K         | QW2549BR         | 750K          | QW3750BR         |
| 249           | QW0249BR         | 2.87K         | QW1287BR         | 12.1K         | QW2121BR         | 56.2K         | QW2562BR         | 806K          | QW3806BR         |
| 274           | QW0274BR         | 2.94K         | QW1294BR         | 13K           | QW313BR          | 57.6K         | QW2576BR         | 820K          | QW3820BR         |
| 301           | QW0301BR         | 3.01K         | QW1301BR         | 13.3K         | QW2133BR         | 66.5K         | QW2665BR         | 909K          | QW3909BR         |
| 316           | QW0316BR         | 3.09K         | QW1309BR         | 15K           | QW315BR          | 68.1K         | QW2681BR         | 910K          | QW3910BR         |
| 332           | QW0332BR         | 3.16K         | QW1316BR         | 16K           | QW316BR          | 69.8K         | QW2698BR         | 1M            | QW4100BR         |
| 348           | QW0348BR         | 3.24K         | QW1324BR         | 17.4K         | QW2174BR         | 71.5K         | QW2715BR         |               |                  |
| 392           | QW0392BR         | 3.32K         | QW1332BR         | 17.8K         | QW2178BR         | 75K           | QW375BR          |               |                  |

## SPECIFICATIONS

### Electrical Characteristics @ 70°C

| NTE Number            | Resistance Range (Ohms) | Tolerance (%) | Voltage (Volts) | Operating temperature (T <sub>opr</sub> ) | Temperature Coefficient (PPM/°C) |
|-----------------------|-------------------------|---------------|-----------------|-------------------------------------------|----------------------------------|
| QW010BR thru QW4100BR | 10 to 1M                | 1             | 250             | -55° to +155°C                            | 100                              |

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

| NTE Number            | Body Length (L) | Body Diameter (D) | Lead Diameter (d) | Lead Length (LL) |
|-----------------------|-----------------|-------------------|-------------------|------------------|
| QW010BR thru QW4100BR | 0.256 (6.5)     | 0.094 (2.4)       | 0.024 (0.6)       | 1.024 (26.0)     |

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

