

# ALUMINUM HOUSED POWER WIREWOUND

## 25 WATT

| 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 |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 0.05          | 25WMD05          | 4.0           | 25WM4D0          | 27            | 25WM027          | 75            | 25WM075          | 330           | 25WM133          | 2.0K          | 25WM220          |
| 0.1           | 25WMD10          | 5.0           | 25WM5D0          | 30            | 25WM030          | 100           | 25WM110          | 400           | 25WM140          | 2.5K          | 25WM225          |
| 0.2           | 25WMD20          | 10            | 25WM010          | 33            | 25WM033          | 120           | 25WM112          | 470           | 25WM147          | 3.0K          | 25WM230          |
| 0.5           | 25WMD50          | 12            | 25WM012          | 35            | 25WM035          | 150           | 25WM115          | 500           | 25WM150          | 3.3K          | 25WM233          |
| 1.0           | 25WM1D0          | 15            | 25WM015          | 40            | 25WM040          | 200           | 25WM120          | 560           | 25WM156          | 3.5K          | 25WM235          |
| 2.0           | 25WM2D0          | 16            | 25WM016          | 47            | 25WM047          | 250           | 25WM125          | 750           | 25WM175          | 4.0K          | 25WM240          |
| 2.5           | 25WM2D5          | 20            | 25WM020          | 50            | 25WM050          | 270           | 25WM127          | 1.0K          | 25WM210          | 5.0K          | 25WM250          |
| 3.0           | 25WM3D0          | 25            | 25WM025          | 60            | 25WM060          | 300           | 25WM130          | 1.5K          | 25WM215          | 10K           | 25WM310          |

## 50 WATT

| 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 |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| 0.05          | 50WMD05          | 4.0           | 50WM4D0          | 27            | 50WM027          | 75            | 50WM075          | 330           | 50WM133          | 2.0K          | 50WM220          |
| 0.1           | 50WMD10          | 5.0           | 50WM5D0          | 30            | 50WM030          | 100           | 50WM110          | 400           | 50WM140          | 2.5K          | 50WM225          |
| 0.2           | 50WMD20          | 10            | 50WM010          | 33            | 50WM033          | 120           | 50WM112          | 470           | 50WM147          | 3.0K          | 50WM230          |
| 0.5           | 50WMD50          | 12            | 50WM012          | 35            | 50WM035          | 150           | 50WM115          | 500           | 50WM150          | 3.3K          | 50WM233          |
| 1.0           | 50WM1D0          | 15            | 50WM015          | 40            | 50WM040          | 200           | 50WM120          | 560           | 50WM156          | 3.5K          | 50WM235          |
| 2.0           | 50WM2D0          | 16            | 50WM016          | 47            | 50WM047          | 250           | 50WM125          | 750           | 50WM175          | 4.0K          | 50WM240          |
| 2.5           | 50WM2D5          | 20            | 50WM020          | 50            | 50WM050          | 270           | 50WM127          | 1.0K          | 50WM210          | 5.0K          | 50WM250          |
| 3.0           | 50WM3D0          | 25            | 50WM025          | 60            | 50WM060          | 300           | 50WM130          | 1.5K          | 50WM215          | 10K           | 50WM310          |

## SPECIFICATIONS

### Electrical Characteristics

| NTE Number         | Resistance Range (Ohms) | Tolerance (%) | Voltage (Volts) | Operating Temperature (T <sub>opr</sub> ) | Temperature Coefficient (PPM/°C) |
|--------------------|-------------------------|---------------|-----------------|-------------------------------------------|----------------------------------|
| 25WMD05 to 25WMD50 | 0.05 to 0.5             | 1             | 550             | -55° to +275°C                            | 90                               |
| 25WM1D0 to 25WM010 | 1.0 to 10               | 1             | 550             | -55° to +275°C                            | 50                               |
| 25WM012 to 25WM375 | 12 to 75K               | 1             | 550             | -55° to +275°C                            | 20                               |
| 50WMD05 to 50WMD50 | 0.05 to 0.5             | 1             | 1250            | -55° to +275°C                            | 90                               |
| 50WM1D0 to 50WM010 | 1.0 to 10               | 1             | 1250            | -55° to +275°C                            | 50                               |
| 50WM012 to 50WM410 | 12 to 100K              | 1             | 1250            | -55° to +275°C                            | 20                               |

### Mechanical\* (Typical, inches)

| NTE Number         | A (±.005) | B (±.005) | C (±.031) | D (±.052) | E (±.015) | F (±.015) | G (±.015) | J (±.010) | L (±.005) | N (±.005) | O (±.062) | P (±.031) | Q (AWG) | R (±.032) |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|
| 25WMD05 to 25WM375 | .719      | .781      | 1.062     | 1.938     | .530      | 1.080     | .560      | .260      | .125      | .086      | .438      | .391      | 12      | .140      |
| 50WMD05 to 50WM410 | 1.563     | .844      | 1.968     | 2.781     | .615      | 1.140     | .615      | .300      | .125      | .086      | .438      | .422      | 12      | .140      |

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

