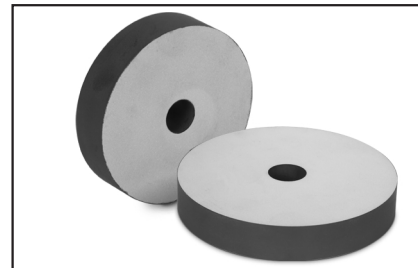




Ceramic & Organic Washers

Resistor Washers are available in a wide variety of diameters to meet your application needs. The washers are utilized for capacitor charge and discharge, crowbar and impulse duty areas. They can be stacked together, forming a large resistor assembly to dissipate large amounts of energy.



GENERAL SPECIFICATIONS - Ceramic Washers

| Model | Dimensions (Inches) | | | Resistance value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|---------|---------------------|------|--------|-------------------------------|-------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 83-WAAZ | 1.10 | 0.64 | 0.5 | 0,800 | 3,100 | 3.8 | 1,509 | 5,000 |
| 83-WABZ | 1.10 | 0.64 | 1.0 | 1,400 | 6,300 | 7.5 | 3,017 | 10,000 |
| 83-WBAY | 1.32 | 0.44 | 0.5 | 0,350 | 1,600 | 7.0 | 2,900 | 5,000 |
| 83-WBBY | 1.32 | 0.44 | 1.0 | 0,700 | 3,200 | 14.0 | 5,800 | 10,000 |
| 83-WCAW | 1.95 | 0.78 | 0.5 | 0,180 | 790 | 15.1 | 6,021 | 5,000 |
| 83-WCBW | 1.95 | 0.78 | 1.0 | 0,340 | 1,500 | 30.1 | 12,042 | 10,000 |
| 83-WDAU | 2.55 | 0.70 | 0.5 | 0,100 | 440 | 27.1 | 10,857 | 5,000 |
| 83-WDBU | 2.55 | 0.70 | 1.0 | 0,190 | 880 | 54.3 | 21,715 | 10,000 |
| 83-WEAW | 3.50 | 0.78 | 0.5 | 0,045 | 210 | 54.9 | 21,944 | 5,000 |
| 83-WEBW | 3.50 | 0.78 | 1.0 | 0,090 | 430 | 109.7 | 43,888 | 10,000 |
| 83-WFAW | 4.38 | 0.78 | 0.5 | 0,040 | 130 | 87.5 | 35,015 | 5,000 |
| 83-WFBW | 4.38 | 0.78 | 1.0 | 0,060 | 270 | 175.1 | 70,030 | 10,000 |
| 83-WHAR | 4.41 | 1.03 | 0.5 | 0,030 | 135 | 86.2 | 34,490 | 5,000 |
| 83-WHBR | 4.41 | 1.03 | 1.0 | 0,060 | 275 | 172.5 | 68,980 | 10,000 |
| 83-WHAT | 4.41 | 1.34 | 0.5 | 0,030 | 140 | 82.8 | 33,100 | 5,000 |
| 83-WHBT | 4.41 | 1.34 | 1.0 | 0,060 | 285 | 165.5 | 66,210 | 10,000 |
| 83-WIAT | 5.00 | 1.34 | 0.5 | 0,030 | 105 | 109.3 | 43,730 | 5,000 |
| 83-WIBT | 5.00 | 1.34 | 1.0 | 0,050 | 210 | 218.7 | 87,470 | 10,000 |
| 83-WIAQ | 5.00 | 1.50 | 0.5 | 0,025 | 110 | 107.2 | 42,880 | 5,000 |
| 83-WIBQ | 5.00 | 1.50 | 1.0 | 0,050 | 220 | 214.4 | 85,760 | 10,000 |
| 83-WGAV | 5.30 | 1.40 | 0.5 | 0,025 | 85 | 132.9 | 53,165 | 5,000 |
| 83-WGBV | 5.30 | 1.40 | 1.0 | 0,050 | 175 | 265.8 | 106,331 | 10,000 |
| 83-WJAR | 5.94 | 1.03 | 0.5 | 0,020 | 70 | 161.3 | 64,500 | 5,000 |
| 83-WJBR | 5.94 | 1.03 | 1.0 | 0,030 | 145 | 322.5 | 129,010 | 10,000 |
| 83-WJAT | 5.94 | 1.34 | 0.5 | 0,020 | 75 | 157.8 | 63,120 | 5,000 |
| 83-WJBT | 5.94 | 1.34 | 1.0 | 0,035 | 150 | 315.6 | 126,240 | 10,000 |
| 83-WKAR | 5.98 | 1.03 | 0.5 | 0,020 | 70 | 163.5 | 65,400 | 5,000 |
| 83-WKBR | 5.98 | 1.03 | 1.0 | 0,030 | 140 | 327.0 | 130,810 | 10,000 |

*Note : Part Number plus the Resistance Code is used for specifying a particular part.

The Resistance code is defined by the first two numbers of the resistance value, followed by a single number multiplier, and the resistance tolerance (20% is L, 10% is K, 5% is J). When the resistance is less than 10 ohms, the multiplier is not used and replaced by an "R".

For example a 3.50" x 0.780" X 0.5" Ceramic Resistor Washer at 100 ohms +/-10% would be qualified as "83-DEA-101K, and a 4.38" x 0.78" X 1.0" Ceramic Resistor Washer at 2.5 ohms +/-20% is 83-WFBW-2R5L.



GENERAL SPECIFICATIONS - Organic Washers

| Part No. | Dimensions (Inches) | | | Resistance value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage (Maximum) |
|----------|---------------------|-------|--------|-------------------------------|-------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 84-WAAZ | 1.19 | 0.689 | 0.5 | 0.040 | 500 M | 3.7 | 35 | 4,000 |
| 84-WABZ | 1.19 | 0.689 | 1.0 | 0.070 | 990 M | 7.4 | 70 | 8,000 |
| 84-WBAY | 1.42 | 0.470 | 0.5 | 0.015 | 280 M | 7.0 | 67 | 4,000 |
| 84-WBBY | 1.42 | 0.470 | 1.0 | 0.030 | 560 M | 14.0 | 134 | 8,000 |
| 84-WCAW | 2.10 | 0.840 | 0.5 | 0.008 | 136 M | 14.1 | 134 | 4,000 |
| 84-WCBW | 2.10 | 0.840 | 1.0 | 0.015 | 273 M | 28.3 | 269 | 8,000 |
| 84-WDAU | 2.74 | 0.750 | 0.5 | 0.005 | 72 M | 27.5 | 261 | 4,000 |
| 84-WDBU | 2.74 | 0.750 | 1.0 | 0.009 | 144 M | 55.0 | 522 | 8,000 |
| 84-WEAW | 3.75 | 0.845 | 0.5 | 0.003 | 37 M | 52.4 | 498 | 4,000 |
| 84-WEBW | 3.75 | 0.845 | 1.0 | 0.005 | 75 M | 104.8 | 996 | 8,000 |
| 84-WFAW | 4.62 | 0.845 | 0.5 | 0.003 | 24 M | 81.2 | 771 | 4,000 |
| 84-WFBW | 4.62 | 0.845 | 1.0 | 0.004 | 48 M | 162.4 | 1,543 | 8,000 |
| 84-WGAV | 5.65 | 1.500 | 0.5 | 0.002 | 17 M | 114.3 | 1,086 | 4,000 |
| 84-WGBV | 5.65 | 1.500 | 1.0 | 0.003 | 34 M | 228.6 | 2,172 | 8,000 |

*Note : Part Number plus the Resistance Code is used for specifying a particular part.

The Resistance code is defined by the first two numbers of the resistance value, followed by a single number multiplier, and the resistance tolerance (20% is L, 10% is K, 5% is J). When the resistance is less than 10 ohms, the multiplier is not used and replaced by an "R".

For example a 4.63" X 0.5" Organic Resistor Disc at 1Meg-ohm +/-10% would be qualified as "84-DFA-105K, and a 2.75" x 0.75" X 1.0" Organic Resistor Washer at 2.5 ohms +/-20% is 84-WDBW-2R5L.