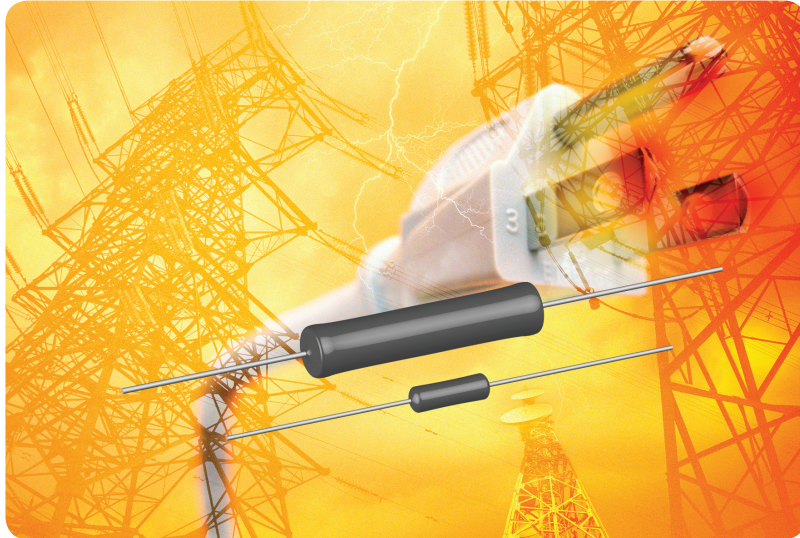


Wirewound Resistors, High Energy, Silicone Coated, Axial Lead



KEY BENEFITS

- High continuous energy handling up to 106.5 J
- High-temperature silicone coating
- Complete welded construction
- Excellent stability in operation
- High power to size ratio

APPLICATIONS

- Power supplies
- Metering
- Welding equipment
- Power tools
- White goods / appliances

RESOURCES

- Datasheet: CW - High Energy - www.vishay.com/doc?30286
- For technical questions contact ww2aresistors@vishay.com
- Material categorization: For definitions please see www.vishay.com/doc?99912

RoHS
COMPLIANTHALOGEN
FREE
AvailableGREEN
(5-2008)
Available



WIREWOUND RESISTORS

CW - High Energy

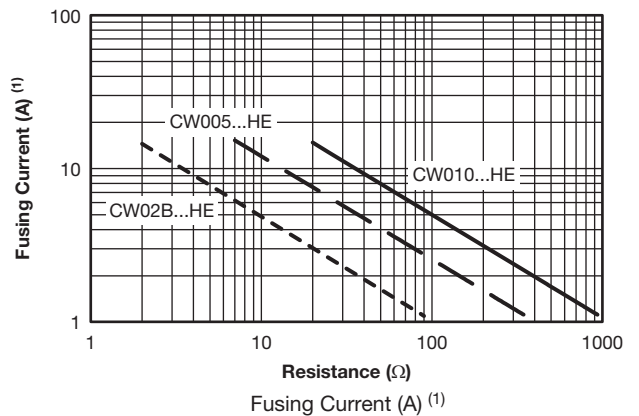
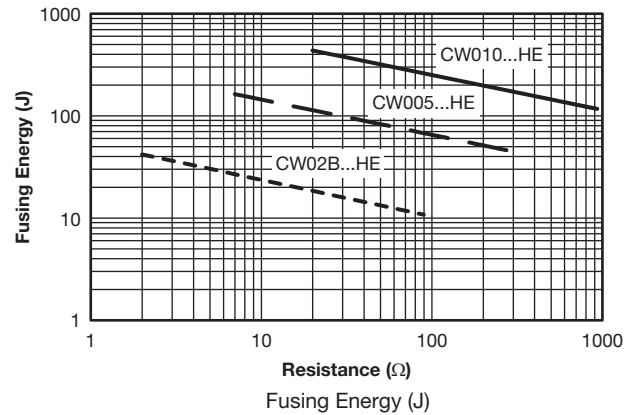
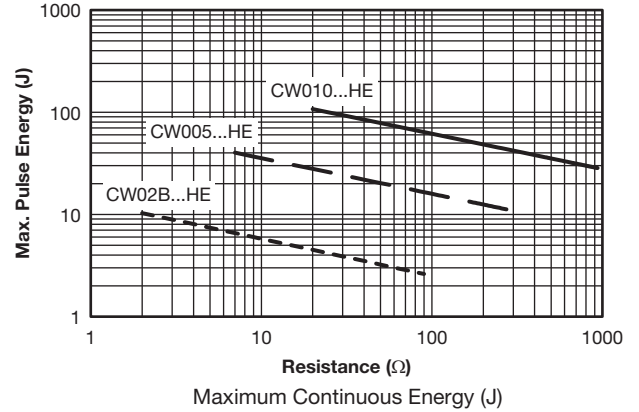
Wirewound Resistors, High Energy, Silicone Coated, Axial Lead

STANDARD ENERGY PERFORMANCE CHARACTERISTICS

| GLOBAL MODEL | RESISTANCE RANGE Ω | MAX. PULSE ENERGY J/ Ω | FUSING ENERGY J/ Ω | CURRENT TO FUSE ⁽¹⁾ A/ Ω | POWER TO FUSE ⁽¹⁾ W/ Ω |
|----------------|---------------------------|-------------------------------|---------------------------|--|--|
| CW02B...HE | 1.5 to 2.0 | 5.200 | 21.150 | 7.2700 | 211.3000 |
| | 2.1 to 2.8 | 3.286 | 13.393 | 4.1357 | 134.0286 |
| | 2.9 to 4.0 | 2.000 | 8.200 | 2.2650 | 82.0925 |
| | 4.1 to 5.6 | 1.268 | 5.196 | 1.2857 | 51.8839 |
| | 5.7 to 7.6 | 0.842 | 3.408 | 0.7684 | 34.1000 |
| | 7.7 to 10.8 | 0.519 | 2.111 | 0.4250 | 21.1056 |
| | 10.9 to 15.4 | 0.325 | 1.312 | 0.2351 | 13.0870 |
| | 15.5 to 21.8 | 0.202 | 0.817 | 0.1312 | 8.1839 |
| | 21.9 to 30.5 | 0.121 | 0.521 | 0.0748 | 5.1980 |
| | 30.6 to 41.7 | 0.084 | 0.341 | 0.0444 | 3.4101 |
| | 41.8 to 59.1 | 0.052 | 0.213 | 0.0247 | 2.1289 |
| CW005...HE | 59.2 to 87.5 | 0.031 | 0.125 | 0.0128 | 1.2442 |
| | 5.5 to 7.6 | 5.145 | 20.921 | 1.9026 | 209.2105 |
| | 7.7 to 10.5 | 3.324 | 13.552 | 1.1086 | 135.4800 |
| | 10.6 to 15.1 | 2.040 | 8.311 | 0.6040 | 83.1311 |
| | 15.2 to 21.4 | 1.280 | 5.206 | 0.3369 | 52.0425 |
| | 21.5 to 29.3 | 0.836 | 3.410 | 0.1993 | 34.1003 |
| | 29.4 to 41.8 | 0.519 | 2.110 | 0.1098 | 21.1053 |
| | 41.9 to 59.6 | 0.322 | 1.309 | 0.0607 | 13.0871 |
| | 59.7 to 84.6 | 0.201 | 0.818 | 0.0338 | 8.1840 |
| | 84.7 to 118.6 | 0.120 | 0.519 | 0.0192 | 5.1980 |
| | 118.7 to 162.3 | 0.084 | 0.341 | 0.0114 | 3.4100 |
| CW010...HE | 162.4 to 230.6 | 0.052 | 0.213 | 0.0063 | 2.1290 |
| | 230.7 to 343.6 | 0.031 | 0.125 | 0.0033 | 1.2442 |
| | 15.0 to 20.7 | 5.145 | 20.923 | 0.6986 | 209.2101 |
| | 20.8 to 28.6 | 3.329 | 13.549 | 0.4070 | 135.4773 |
| | 28.7 to 41.0 | 2.037 | 8.312 | 0.2224 | 83.1395 |
| | 41.1 to 58.0 | 1.281 | 5.217 | 0.1243 | 52.1643 |
| | 58.1 to 79.7 | 0.836 | 3.410 | 0.0733 | 34.1003 |
| | 79.8 to 113.6 | 0.518 | 2.111 | 0.0404 | 21.1054 |
| | 113.7 to 162.3 | 0.322 | 1.309 | 0.0223 | 13.0871 |
| | 162.4 to 230.5 | 0.201 | 0.818 | 0.0124 | 8.1841 |
| | 230.6 to 323.2 | 0.120 | 0.520 | 0.0071 | 5.1980 |
| 323.3 to 442.7 | 0.084 | 0.341 | 0.0042 | 3.4100 | |
| 442.8 to 629.3 | 0.052 | 0.213 | 0.0023 | 2.1290 | |
| 629.4 to 938.0 | 0.031 | 0.124 | 0.0012 | 1.2442 | |

Note

⁽¹⁾ Time to fuse is 0.1 s.



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