

40 Series

Ohmicone® Silicone-Ceramic Conformal Axial Terminal Wirewound 1% and 5% Tolerance Standard



Ohmite 40 Series resistors are the most economical conformal silicone-ceramic coated resistors offered. These all-welded units are characterized by their low temperature coefficients and resistance to thermal shock, making them ideal for a wide range of electrical and electronic applications.

Units with 1% and 5% tolerances are identical in construction and electrical specifications. Durable but economical 40 Series resistors exceed industry requirements for quality.

FEATURES

- Economical
- Applications include commercial, industrial and communications equipment
- Stability under high temperature conditions
- All-welded construction
- RoHS compliant; add "E" suffix to part number to specify.

SERIES SPECIFICATIONS

Series	Wattage	Ohms	Voltage
41	1.0	0.10-6K	150
42	2.0	0.10-8K	100
43	3.0	0.10-20K	200
45	5.0	0.10-70K	460
47	7.0	0.10-80K	670
40	10.0	0.10-150K	1000

Non-Inductive versions available. Insert "N" before tolerance code.
Example: 42NJ27R

CHARACTERISTICS

Coating	Conformal silicone-ceramic.
Core	Ceramic.
Terminals	Solder-coated copper clad axial. RoHS solder composition is 96% Sn, 3.5% Ag, 0.5% Cu
Derating	Linearly from 100% @ +25°C to 0% @ +275°C.
Tolerance	±5% (J type), ±1% (F type) (other tolerances available).
Power rating	Based on 25°C free air rating
Overload	Under 5 watts: 5 times rated wattage for 5 seconds. 5 watts and over: 10 times rated wattage for 5 seconds.
Temperature coefficient	Under 1Ω: ±90 ppm/°C; 1Ω to 9.99Ω: ±50 ppm/°C; 10Ω and over: ±20 ppm/°C
Operating temp. range	-55°C to 275°C

DIMENSIONS

(in./mm max.)



Series	Wattage	Length	Diam.	Lead ga.
41	1.0	0.437 / 11.1	0.125 / 3.2	24
42	2.0	0.406 / 10.3	0.219 / 5.6	20
43	3.0	0.593 / 15.1	0.219 / 5.6	20
45	5.0	0.937 / 23.8	0.343 / 8.7	18
47	7.0	1.280 / 32.5	0.343 / 8.7	18
40	10.0	1.900 / 48.3	0.406 / 10.3	18

(continued)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Wirewound Resistors - Through Hole](#) category:

Click to view products by [Ohmite](#) manufacturer:

Other Similar products are found below :

[G05C7R000HB1223](#) [PW10-39R-5%](#) [EP3WS47RJ](#) [CA00021R000JE14](#) [RWR81SR427DRB12](#) [RWR81SR619FRBSL](#) [RWR89S10R0FRB12](#)
[RWR89S9310FPB12](#) [93J62RE](#) [AC04000001008JAC00](#) [FSQ5WR47J](#) [25J39K](#) [25W1D0](#) [CP0005270R0JE1491](#) [CP0005330R0JE3191](#)
[CPCC03R5000JB31](#) [CPCC0510R00JE32](#) [CPCC051R000JB31](#) [CPCP10500R0JE32](#) [CPW052K500JE143](#) [CPW05700R0JE143](#)
[CPW152K500JE313](#) [C1010RJL](#) [CA000210R00JE14](#) [RS02B887R0FE73](#) [RWR74SR604FRB12](#) [RWR89S6190FSB12](#) [RWR89SR237FRB12](#)
[CPCC03R2000JB31](#) [CPW055R000JB143](#) [CPW103K300JE143](#) [CPW202R000JB14](#) [ULW5-39R0JT075](#) [W31-R47JA1](#) [VP25K-120](#) [VC3D900](#)
[65888-3R3](#) [RWR81S4R64FRS70](#) [CB5JB10R0](#) [RWR81S1000FSB12](#) [RWR81S2R00FRB12](#) [CP000533R00JE66](#) [RWR84N5360FPB12](#)
[VC3D.5](#) [SQM500JB-200R](#) [FW70A1000JA](#) [AC05000005608JAC00](#) [WA8505-47RJI](#) [75822-10R](#) [WHS201-68RJA25](#)