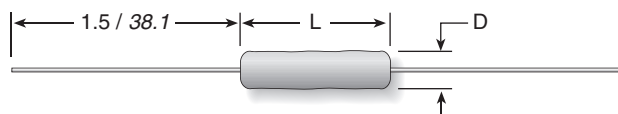


40 Series

Ohmicone®, Silicone-Ceramic Conformal Axial Lead Wirewound Resistors 1% and 5% Tolerances Standard



Series	Wattage	Ohms	Dimensions (in. / mm)		Voltage	Lead ga.
			Length	Diam.		
41	1.0	0.10-6K	0.437 / 11.1	0.125 / 3.2	150	24
42	2.0	0.10-8K	0.406 / 10.3	0.219 / 5.6	100	20
43	3.0	0.10-20K	0.593 / 15.1	0.218 / 5.5	200	20
45	5.0	0.10-70K	0.937 / 23.8	0.343 / 8.7	460	18
47	7.0	0.10-80K	1.280 / 32.5	0.343 / 8.7	670	18
40	10.0	0.10-150K	1.642 / 41.7	0.406 / 10.3	1000	18

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

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
- CECC sizes available
- RoHS compliant product available Jan. 2006 Add "E" suffix to part number to specify.

SPECIFICATIONS

- Material**
Coating: Conformal silicone-ceramic.
Core: Ceramic.
Terminals: Solder-coated copper clad axial lead.
Derating
 Linearly from
 100% @ +25°C to
 0% @ +275°C.
- Electrical**
Tolerance: ±5% (J type), ±1% (F type) (other tolerances available).
Power rating: Based on 25°C free air rating (other wattages available).
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

STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

Wattage and Tolerance												Wattage and Tolerance												Wattage and Tolerance											
Ohmic value	Part No. Prefix Suffix	1% Tolerance					5% Tolerance					Ohmic value	Part No. Prefix Suffix	1% Tolerance					5% Tolerance					Ohmic value	Part No. Prefix Suffix	1% Tolerance					5% Tolerance				
		1	3	5	10	1	2	3	5	10	1			2	3	5	10	1	2	3	5	10	1			2	3	5	10						
		0.1	R10	✓	+	+	+	+	✓	✓	✓			✓	68	68R	✓	✓	✓	✓	✓	✓	✓			✓	2,200	2K2	✓	✓	✓	✓	✓	✓	✓

Shaded values involve very fine resistance wire and should not be used in critical applications without burn-in and/or thermal cycling.

+ = Most popular stock values
 ✓ = Stock values
 ✖ = Non-stock values subject to minimum handling charge per item