

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

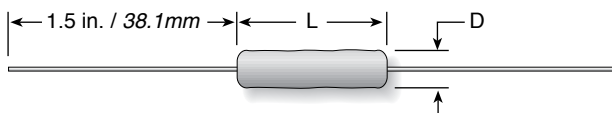
Non-Inductive versions available. Insert "N" before tolerance code.
Example: 42NJ27R

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

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)

Ohmite:

43J7R5 41F560 41F7R5 45F75R 45F47R 45F62R 45F27R 45F40R 45F22R 45F20R 45F25R 45F68R
41F500 41F5R0 45F82R 45F35R 45F30R 45F39R 45F33R 40J22R 42J120 41F1R5 45F680 41F1R0 41F150
41F100 45F600 41F180 42J1R5 42J125 43F600 43J2K0 43J6K0 43F680 43F35R 43F47R 43F82R 43F33R
43F39R 43F25R 43F10R 43F15R 43F12R 43F50R 43F56R 43F75R 43F27R 43F18R 43F20R 43F40R
43F22R 43F30R 41J2K0 45J225 40F200 42J82R 43F300 40F220 40F225 45J2R2 45J220 45J680 43F7R5
41J150 45J600 45J1K0 42J400 42J470 41F12R4 42J450 41F900 45J270 42J47R 42J50R 42J20R 43F3R0
42J18R 42J68R 43F390 42J27R 42J10R 42J25R 42J15R 42J62R 42J22R 45J200 42J12R 43F350 42J56R
42J40R 40F40K 40F2K0 40F7K0 40F8K0 40F3K0 40F4K0 40F6K0 40F5K0 40F9K0 45J900