

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)

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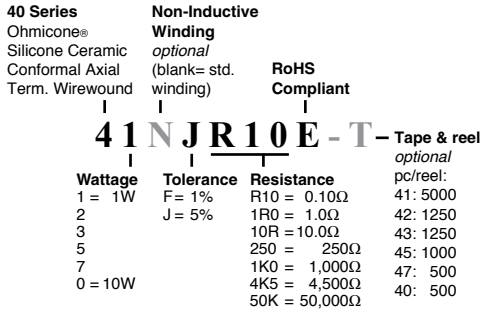
ORDERING INFORMATION

Standard part numbers

Ohmic value		Wattage and Tolerance					Ohmic value		Wattage and Tolerance					Ohmic value		Wattage and Tolerance										
		1% Tolerance							5% Tolerance							1% Tolerance					5% Tolerance					
Part No. Prefix ▶ Suffix ▼	Part No. Prefix ▶ Suffix ▼	1	3	5	10	1	2	3	5	10	1	2	3	5	10	Part No. Prefix ▶ Suffix ▼	Part No. Prefix ▶ Suffix ▼	1	3	5	10	1	2	3	5	10
0.1 —R10	41F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,200 —2K2	41J	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.15 —R15	43F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,500 —2K5	42J	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.2 —R20	45F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,700 —2K7	43J	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.25 —R25	40F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,000 —3K0	45J	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.3 —R30		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,300 —3K3	40J	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.33 —R33		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,500 —3K5		✓	✓	✓	✓	✓	✓	✓	✓	✓
0.4 —R40		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,900 —3K9		✓	✓	✓	✓	✓	✓	✓	✓	✓
0.5 —R50		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,000 —4K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
0.75 —R75		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,500 —4K5		✓	✓	✓	✓	✓	✓	✓	✓	✓
1 —1R0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,700 —4K7		✓	✓	✓	✓	✓	✓	✓	✓	✓
1.5 —1R5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5,000 —5K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
2 —2R0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6,000 —6K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
2.2 —2R2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6,800 —6K8		✓	✓	✓	✓	✓	✓	✓	✓	✓
3 —3R0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,000 —7K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
4 —4R0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,500 —7K5		✓	✓	✓	✓	✓	✓	✓	✓	✓
5 —5R0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8,000 —8K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
7.5 —7R5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9,000 —9K0		✓	✓	✓	✓	✓	✓	✓	✓	✓
10 —10R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10,000 —10K		✓	✓	✓	✓	✓	✓	✓	✓	✓
12 —12R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	12,000 —12K		✓	✓	✓	✓	✓	✓	✓	✓	✓
15 —15R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	13,000 —13K		✓	✓	✓	✓	✓	✓	✓	✓	✓
18 —18R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	15,000 —15K		✓	✓	✓	✓	✓	✓	✓	✓	✓
20 —20R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	17,000 —17K		✓	✓	✓	✓	✓	✓	✓	✓	✓
22 —22R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	20,000 —20K		✓	✓	✓	✓	✓	✓	✓	✓	✓
25 —25R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22,000 —22K		✓	✓	✓	✓	✓	✓	✓	✓	✓
27 —27R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	25,000 —25K		✓	✓	✓	✓	✓	✓	✓	✓	✓
30 —30R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30,000 —30K		✓	✓	✓	✓	✓	✓	✓	✓	✓
33 —33R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	33,000 —33K		✓	✓	✓	✓	✓	✓	✓	✓	✓
35 —35R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	35,000 —35K		✓	✓	✓	✓	✓	✓	✓	✓	✓
39 —39R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	40,000 —40K		✓	✓	✓	✓	✓	✓	✓	✓	✓
40 —40R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	50,000 —50K		✓	✓	✓	✓	✓	✓	✓	✓	✓
47 —47R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
50 —50R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
56 —56R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
62 —62R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

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

✓ = Standard values
 ✦ = Non-standard values subject to minimum handling charge per item





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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