

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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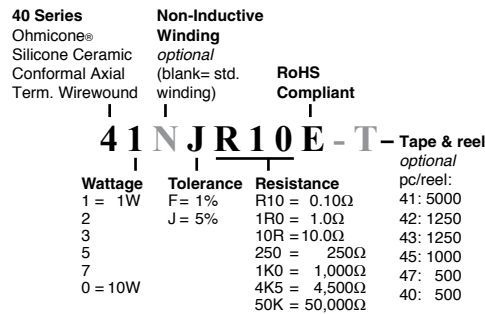
ORDERING INFORMATION

Standard part numbers

Wattage and Tolerance										Wattage and Tolerance										Wattage and Tolerance															
1% Tolerance					5% Tolerance					1% Tolerance					5% Tolerance					1% Tolerance					5% Tolerance										
Ohmic value	Part No. Prefix	Suffix	1	3	5	10	1	2	3	5	10	Ohmic value	Part No. Prefix	Suffix	1	3	5	10	1	2	3	5	10	Ohmic value	Part No. Prefix	Suffix	1	3	5	10	1	2	3	5	10
0.1	R10		✓	✓	✓	✓	✓	✓	✓	✓	✓	68	68R		✓	✓	✓	✓	✓	✓	✓	✓	✓	2,200	2K2		✓	✓	✓	✓	✓	✓	✓	✓	
0.15	R15		✓	✓	✓	✓	✓	✓	✓	✓	✓	75	75R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,500	2K5		✓	✓	✓	✓	✓	✓	✓	✓
0.2	R20		✓	✓	✓	✓	✓	✓	✓	✓	✓	82	82R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,700	2K7		✓	✓	✓	✓	✓	✓	✓	✓
0.25	R25		✓	✓	✓	✓	✓	✓	✓	✓	✓	100	100		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,000	3K0	✓	✓	✓	✓	✓	✓	✓	✓	✓
0.3	R30		✓	✓	✓	✓	✓	✓	✓	✓	✓	120	120		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,300	3K3		✓	✓	✓	✓	✓	✓	✓	✓
0.33	R33		✓	✓	✓	✓	✓	✓	✓	✓	✓	125	125		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,500	3K5		✓	✓	✓	✓	✓	✓	✓	✓
0.4	R40		✓	✓	✓	✓	✓	✓	✓	✓	✓	150	150		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3,900	3K9		✓	✓	✓	✓	✓	✓	✓	✓
0.5	R50		✓	✓	✓	✓	✓	✓	✓	✓	✓	180	180		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,000	4K0		✓	✓	✓	✓	✓	✓	✓	✓
0.75	R75		✓	✓	✓	✓	✓	✓	✓	✓	✓	200	200		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,500	4K5		✓	✓	✓	✓	✓	✓	✓	✓
1	R100		✓	✓	✓	✓	✓	✓	✓	✓	✓	220	220		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4,700	4K7		✓	✓	✓	✓	✓	✓	✓	✓
1.5	R150		✓	✓	✓	✓	✓	✓	✓	✓	✓	225	225		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5,000	5K0		✓	✓	✓	✓	✓	✓	✓	✓
2	R200		✓	✓	✓	✓	✓	✓	✓	✓	✓	250	250		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6,000	6K0		✓	✓	✓	✓	✓	✓	✓	✓
2.2	R220		✓	✓	✓	✓	✓	✓	✓	✓	✓	270	270		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6,800	6K8		✓	✓	✓	✓	✓	✓	✓	✓
3	R300		✓	✓	✓	✓	✓	✓	✓	✓	✓	300	300		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,000	7K0		✓	✓	✓	✓	✓	✓	✓	✓
4	R400		✓	✓	✓	✓	✓	✓	✓	✓	✓	330	330		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,500	7K5		✓	✓	✓	✓	✓	✓	✓	✓
5	R500		✓	✓	✓	✓	✓	✓	✓	✓	✓	350	350		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8,000	8K0		✓	✓	✓	✓	✓	✓	✓	✓
7.5	R750		✓	✓	✓	✓	✓	✓	✓	✓	✓	390	390		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9,000	9K0		✓	✓	✓	✓	✓	✓	✓	✓
10	R1000		✓	✓	✓	✓	✓	✓	✓	✓	✓	400	400		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10,000	10K		✓	✓	✓	✓	✓	✓	✓	✓
12	R1200		✓	✓	✓	✓	✓	✓	✓	✓	✓	450	450		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	12,000	12K		✓	✓	✓	✓	✓	✓	✓	✓
15	R1500		✓	✓	✓	✓	✓	✓	✓	✓	✓	470	470		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	13,000	13K		✓	✓	✓	✓	✓	✓	✓	✓
18	R1800		✓	✓	✓	✓	✓	✓	✓	✓	✓	500	500		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	15,000	15K		✓	✓	✓	✓	✓	✓	✓	✓
20	R2000		✓	✓	✓	✓	✓	✓	✓	✓	✓	560	560		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	17,000	17K		✓	✓	✓	✓	✓	✓	✓	✓
22	R2200		✓	✓	✓	✓	✓	✓	✓	✓	✓	600	600		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	20,000	20K		✓	✓	✓	✓	✓	✓	✓	✓
25	R2500		✓	✓	✓	✓	✓	✓	✓	✓	✓	680	680		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22,000	22K		✓	✓	✓	✓	✓	✓	✓	✓
27	R2700		✓	✓	✓	✓	✓	✓	✓	✓	✓	750	750		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	25,000	25K		✓	✓	✓	✓	✓	✓	✓	✓
30	R3000		✓	✓	✓	✓	✓	✓	✓	✓	✓	800	800		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30,000	30K		✓	✓	✓	✓	✓	✓	✓	✓
33	R3300		✓	✓	✓	✓	✓	✓	✓	✓	✓	820	820		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	33,000	33K		✓	✓	✓	✓	✓	✓	✓	✓
35	R3500		✓	✓	✓	✓	✓	✓	✓	✓	✓	900	900		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	35,000	35K		✓	✓	✓	✓	✓	✓	✓	✓
39	R3900		✓	✓	✓	✓	✓	✓	✓	✓	✓	1,000	1K0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	40,000	40K		✓	✓	✓	✓	✓	✓	✓	✓
40	R4000		✓	✓	✓	✓	✓	✓	✓	✓	✓	1,100	1K1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	50,000	50K		✓	✓	✓	✓	✓	✓	✓	✓
47	R4700		✓	✓	✓	✓	✓	✓	✓	✓	✓	1,200	1K2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
50	R5000		✓	✓	✓	✓	✓	✓	✓	✓	✓	1,500	1K5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
56	R5600		✓	✓	✓	✓	✓	✓	✓	✓	✓	1,800	1K8		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
62	R6200		✓	✓	✓	✓	✓	✓	✓	✓	✓	2,000	2K0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											

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

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





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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.