



1% tolerance 5% tolerance

conformal silicone ceramic axial lead wirewound resistors

Series 44 Ohmicone® conformal silicone ceramic power resistors are designed for a wide range of commercial, industrial and communications equipment and systems. Resistors feature low, stable T.C.; all welded construction; and operation under high temperature conditions.

ELECTRICAL

Tolerance: $\pm 1\%$ and $\pm 5\%$ closer tolerance available.
 Temperature Coefficient: $< 1\Omega - 0 \pm 90 \text{ ppm}/^\circ\text{C}$; 1 to $10\Omega - 0 \pm 50 \text{ ppm}/^\circ\text{C}$;
 10Ω & greater $- 0 \pm 20 \text{ ppm}/^\circ\text{C}$.

Dielectric Withstanding Voltage: 500 V (250 V for 1 W size).

Overload, Short Time: 10X rated wattage for 5 seconds (5 W and larger); 5X rated wattage for 5 seconds (3 W and smaller).

Wattage: 1, 2, 3, 5, and 10 Watt Sizes.

Inductance: Varies with no. of turns and wire size. Standard units have single layer winding.

Non-inductive (ARYTON-PERRY) windings available.

MATERIALS

Core: Ceramic, resistant to thermal shock and wide variations in temperature.
 Resistance Element: High grade resistance alloy wire, single layer winding.

Leads and resistance element welded to metal end caps.

Coating: High performance conformal silicone ceramic.

Leads: Solder coated.

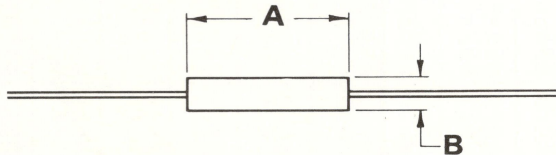
DERATING

Wattage is based on 25°C **Free Air Rating**. For higher temperature operation, derate linearly from 100% @ +25°C to 0% @ +275°C.

SERIES 44 OHMICONE*

Watts	Body Dimensions		Leads (1.5"/38.1 mm) Ga.
	Max. Lgth. A ("/mm)	Max. Dia. B ("/mm)	
1	.437/9.4	.125/3.2	22
2	.406/10.3	.219/5.6	20
3	.563/14.3	.250/6.4	20
5	.937/23.8	.343/8.7	18
10	1.843/46.8	.406/10.3	18

*OHMICONE is a registered trade name of Ohmite Mfg. Co.



OHMS	1 WATT	
	1% +	5% +
	41Fxxx	41Jxxx

STOCK NUMBER CODE

F— $\pm 1\%$ Tolerance
 J— $\pm 5\%$ Tolerance
 R—Decimal point
 K—Decimal point and X1000

OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
.1	—	—	43FR10	45FR10	40FR10
.15	41JR10	42JR10	43JR10	45JR10	40JR10
.2	—	—	43FR15	45FR15	40FR15
.3	41JR15	42JR15	43JR15	45JR15	40JR15
.4	—	—	43FR20	45FR20	40FR20
.5	41JR20	42JR20	43JR20	45JR20	40JR20
.75	—	—	43FR30	45FR30	40FR30
1.0	41JR30	42JR30	43JR30	45JR30	40JR30
1.5	—	—	43FR40	45FR40	40FR40
2.0	41JR40	42JR40	43JR40	45JR40	40JR40
3.0	—	—	43FR50	45FR50	40FR50
4.0	41JR50	42JR50	43JR50	45JR50	40JR50
5.0	—	—	43FR75	45FR75	40FR75
7.5	41JR75	42JR75	43JR75	45JR75	40JR75
10.0	—	—	43FR100	45FR100	40FR100
12.0	41JR100	42JR100	43JR100	45JR100	40JR100
15.0	—	—	43FR125	45FR125	40FR125
18.0	41JR125	42JR125	43JR125	45JR125	40JR125
20.0	—	—	43FR150	45FR150	40FR150
22.0	41JR150	42JR150	43JR150	45JR150	40JR150
25.0	—	—	43FR180	45FR180	40FR180
27.0	41JR180	42JR180	43JR180	45JR180	40JR180
30.0	—	—	43FR200	45FR200	40FR200
33.0	41JR200	42JR200	43JR200	45JR200	40JR200
35.0	—	—	43FR225	45FR225	40FR225
39.0	41JR225	42JR225	43JR225	45JR225	40JR225
40.0	—	—	43FR250	45FR250	40FR250
45.0	41JR250	42JR250	43JR250	45JR250	40JR250
47.0	—	—	43FR270	45FR270	40FR270
50.0	41JR270	42JR270	43JR270	45JR270	40JR270
56.0	—	—	43FR300	45FR300	40FR300
60.0	41JR300	42JR300	43JR300	45JR300	40JR300
68.0	—	—	43FR350	45FR350	40FR350
75.0	41JR350	42JR350	43JR350	45JR350	40JR350
82.0	—	—	43FR400	45FR400	40FR400
100.0	41JR400	42JR400	43JR400	45JR400	40JR400
120.0	—	—	43FR450	45FR450	40FR450
125.0	41JR450	42JR450	43JR450	45JR450	40JR450
150.0	—	—	43FR500	45FR500	40FR500
180.0	41JR500	42JR500	43JR500	45JR500	40JR500
200.0	—	—	43FR550	45FR550	40FR550
220.0	41JR550	42JR550	43JR550	45JR550	40JR550
225.0	—	—	43FR600	45FR600	40FR600
250.0	41JR600	42JR600	43JR600	45JR600	40JR600
270.0	—	—	43FR700	45FR700	40FR700
300.0	41JR700	42JR700	43JR700	45JR700	40JR700
330.0	—	—	43FR750	45FR750	40FR750
350.0	41JR750	42JR750	43JR750	45JR750	40JR750
390.0	—	—	43FR800	45FR800	40FR800
400.0	41JR800	42JR800	43JR800	45JR800	40JR800
450.0	—	—	43FR900	45FR900	40FR900
470.0	41JR900	42JR900	43JR900	45JR900	40JR900
500.0	—	—	43FR1000	45FR1000	40FR1000
560.0	41JR1000	42JR1000	43JR1000	45JR1000	40JR1000
600.0	—	—	43FR1100	45FR1100	40FR1100
680.0	41JR1100	42JR1100	43JR1100	45JR1100	40JR1100
750.0	—	—	43FR1250	45FR1250	40FR1250
800.0	41JR1250	42JR1250	43JR1250	45JR1250	40JR1250
820.0	—	—	43FR1500	45FR1500	40FR1500
900.0	41JR1500	42JR1500	43JR1500	45JR1500	40JR1500

OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
56.0	41F56R	41J56R	43F56R	45F56R	40F56R
62.0	41F62R	41J62R	43F62R	45F62R	40F62R
68.0	41F68R	41J68R	43F68R	45F68R	40F68R
75.0	41F75R	41J75R	43F75R	45F75R	40F75R
82.0	41F82R	41J82R	43F82R	45F82R	40F82R
100.0	41F100	41J100	43F100	45F100	40F100
120.0	41F120	41J120	43F120	45F120	40F120
125.0	41F125	41J125	43F125	45F125	40F125
150.0	41F150	41J150	43F150	45F150	40F150
180.0	41F180	41J180	43F180	45F180	40F180
200.0	41F200	41J200	43F200	45F200	40F200
220.0	41F220	41J220	43F220	45F220	40F220
225.0	41F225	41J225	43F225	45F225	40F225
250.0	41F250	41J250	43F250	45F250	40F250
270.0	41F270	41J270	43F270	45F270	40F270
300.0	41F300	41J300	43F300	45F300	40F300
330.0	41F330	41J330	43F330	45F330	40F330
350.0	41F350	41J350	43F350	45F350	40F350
390.0	41F390	41J390	43F390	45F390	40F390
400.0	41F400	41J400	43F400	45F400	40F400
450.0	41F450	41J450	43F450	45F450	40F450
470.0	41F470	41J470	43F470	45F470	40F470
500.0	41F500	41J500	43F500	45F500	40F500
560.0	41F560	41J560	43F560	45F560	40F560
600.0	41F600	41J600	43F600	45F600	40F600
680.0	41F680	41J680	43F680	45F680	40F680
750.0	41F750	41J750	43F750	45F750	40F750
800.0	41F800	41J800	43F800	45F800	40F800
820.0	41F820	41J820	43F820	45F820	40F820
900.0	41F900	41J900	43F900	45F900	40F900

OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
1000	41F1K0	41J1K0	43F1K0	45F1K0	40F1K0
1100	41F1K1	41J1K1	43F1K1	45F1K1	40F1K1
1200	41F1K2	41J1K2	43F1K2	45F1K2	40F1K2
1500	41F1K5	41J1K5	43F1K5	45F1K5	40F1K5
1800	41F1K8	41J1K8	43F1K8	45F1K8	40F1K8
2000	41F2K0	41J2K0	43F2K0	45F2K0	40F2K0
2200	41F2K2	41J2K2	43F2K2	45F2K2	40F2K2
2500	41F2K5	41J2K5	43F2K5	45F2K5	40F2K5
2700	41F2K7	41J2K7	43F2K7	45F2K7	40F2K7
3000	41F3K0	41J3K0	43F3K0	45F3K0	40F3K0
3300	41F3K3	41J3K3	43F3K3	45F3K3	40F3K3
3500	41F3K5	41J3K5	43F3K5	45F3K5	40F3K5
3900	41F3K9	41J3K9	43F3K9	45F3K9	40F3K9
4000	41F4K0	41J4K0	43F4K0	45F4K0	40F4K0
4500	41F4K5	41J4K5	43F4K5	45F4K5	40F4K5
4700	41F4K7	41J4K7	43F4K7	45F4K7	40F4K7
5000	41F5K0	41J5K0	43F5K0	45F5K0	40F5K0
6000	41F6K0	41J6K0	43F6K0	45F6K0	40F6K0
6800	41F6K8	41J6K8	43F6K8	45F6K8	40F6K8
7000	41F7K0	41J7K0	43F7K0	45F7K0	40F7K0
7500	41F7K5	41J7K5	43F7K5	45F7K5	40F7K5
8000	41F8K0	41J8K0	43F8K0	45F8K0	40F8K0
9000	41F9K0	41J9K0	43F9K0	45F9K0	40F9K0
10,000	41F10K	41J10K	43F10K	45F10K	40F10K
12,000	—	—	—	45F12K	40F12K
13,000	—	—	—	45F13K	40F13K
15,000	—	—	—	45F15K	40F15K
17,000	—	—	—	45F17K	40F17K
20,000	—	—	—	45F20K	40F20K
22,000	—	—	—	45F22K	40F22K
25,000	—	—	—	45F25K	40F25K
30,000	—	—	—	45F30K	40F30K
35,000	—	—	—	—	40F35K
40,000	—	—	—	—	40F40K
50,000	—	—	—	—	40F50K

Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

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