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Jameco Part Number 281834

40 Series*

Ohmicone[®] Silicone-Ceramic Conformal Axial Lead Wirewound Resistors 1% And 5% Tolerances

Features

- **Economical.**
- **Applications** include commercial, industrial and communications equipment.
- **Stability** under high temperature conditions.
- **All-welded** construction.



Ohmite's 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.

Specifications

• Material

Coating: Conformal silicone-ceramic.

Core: Ceramic.

Terminals: Solder coated axial lead.

Weight:

Power Rating Watts	1	2	3	5	10
Average Weight	.25 gms	.5 gms	1.0 gms	3.0 gms	7.3 gms

• Electrical

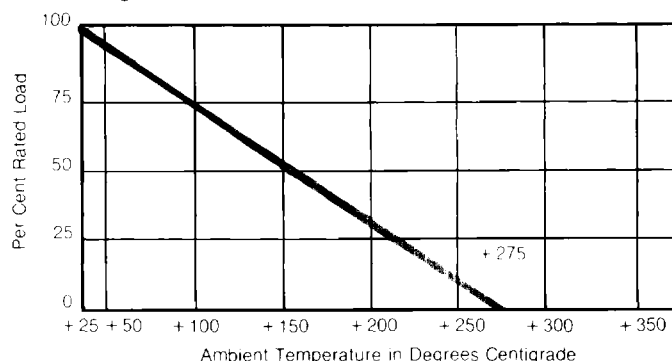
Tolerance: $\pm 1\%$ and $\pm 5\%$ (other tolerances available).

Power Rating: Based on 25°C free air rating.

Maximum Operating Voltage:

Power Rating Watts	1	2	3	5	10
Maximum Voltage	150	100	200	460	1000

Derating:



Overload:

- Under 5 watts: 5 times rated wattage for 5 seconds.
- 5 watts and over: 10 times rated wattage for 5 seconds.

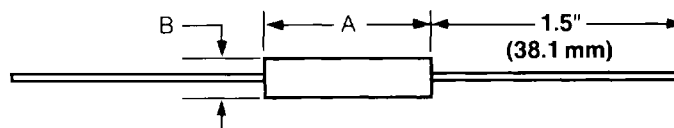
Temperature Coefficient:

- Under 1 Ohm ± 90 ppm/°C.
- 1 to 9.99 Ohms $+50$ ppm/°C.
- 10 Ohms and Over $+20$ ppm/°C.

Dielectric Withstanding Voltage:

- 1000 VAC: 2, 3, 5 and 10 watt rating.
- 500 VAC: 1 watt rating.

• Dimensions



Power Rating Watts	Body Dimensions				Leads Co.
	Max. Lgth. - A		Max. Dia. - B		
	in.	mm	in.	mm	
1	.437	11.1	.125	3.2	24
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



*40 Series 1% formerly Series 44 1% (Non-Mil Specification) and 40 Series 5% formerly Series 44 5% (Mil Specification)

40 Series 1% Tolerance

Ohmicone[®] Silicone—Ceramic Conformal Axial Lead Wirewound Resistors

Stock Part Numbers¹ For Standard Resistance Values

(Non Standard Values Available By Special Order. Contact Nearest Ohmite Sales Office.)

Ohms	Part No.				Power	Part No.			
	1 Watt	3 Watt	5 Watt	10 Watt		1 Watt	3 Watt	5 Watt	10 Watt
.1		43FR10	45FR10	40FR10	450	(41F450)	43F450	45F450	(40F450)
.15		43FR15	45FR15	40FR15	470	41F470	43F470	45F470	(40F470)
.2		43FR20	45FR20	40FR20	500	41F500	43F500	45F500	40F500
.3		43FR30	45FR30	40FR30	560	41F560	43F560	45F560	40F560
.4		43FR40	45FR40	40FR40	600	41F600	43F600	45F600	40F600
.5		43FR50	45FR50	40FR50	680	41F680	43F680	(45F680)	40F680
.75		(43FR75)	45FR75	40FR75	750	41F750	43F750	45F750	40F750
1	41F1R0	43F1R0	45F1R0	40F1R0	800	41F800	43F800	45F800	40F800
1.5	41F1R5	43F1R5	45F1R5	40F1R5	820	41F820	43F820	45F820	(40F820)
2	41F2R0	43F2R0	45F2R0	40F2R0	900	41F900	43F900	(45F900)	(40F900)
2.2	41F2R2	43F2R2	45F2R2	40F2R2	1,000	41F1K0	43F1K0	45F1K0	40F1K0
3	41F3R0	43F3R0	45F3R0	(40F3R0)	1,100	(41F1K1)	(43F1K1)	45F1K1	40F1K1
4	41F4R0	43F4R0	45F4R0	40F4R0	1,200	41F1K2	(43F1K2)	45F1K2	40F1K2
5	41F5R0	43F5R0	45F5R0	40F5R0	1,500	41F1K5	43F1K5	45F1K5	(40F1K5)
7.5	41F7R5	43F7R5	45F7R5	40F7R5	1,800	41F1K8	(43F1K8)	(45F1K8)	40F1K8
10	41F10R	43F10R	45F10R	40F10R	2,000	41F2K0	43F2K0	45F2K0	40F2K0
12	(41F12R)	43F12R	(45F12R)	40F12R	2,200	41F2K2	43F2K2	45F2K2	40F2K2
15	41F15R	43F15R	45F15R	(40F15R)	2,500	41F2K5	43F2K5	45F2K5	40F2K5
18	(41F18R)	43F18R	(45F18R)	(40F18R)	2,700	(41F2K7)	(43F2K7)	45F2K7	40F2K7
20	41F20R	43F20R	45F20R	40F20R	3,000	41F3K0	43F3K0	45F3K0	40F3K0
22	41F22R	43F22R	45F22R	(40F22R)	3,300		(43F3K3)	(45F3K3)	(40F3K3)
25	41F25R	43F25R	45F25R	(40F25R)	3,500		43F3K5	45F3K5	(40F3K5)
27	(41F27R)	43F27R	45F27R	40F27R	3,900		43F3K9	45F3K9	40F3K9
30	41F30R	43F30R	45F30R	40F30R	4,000		43F4K0	(45F4K0)	40F4K0
33	41F33R	43F33R	(45F33R)	40F33R	4,500		(43F4K5)	(45F4K5)	40F4K5
35	41F35R	(43F35R)	45F35R	40F35R	4,700		43F4K7	45F4K7	(40F4K7)
39	41F39R	43F39R	(45F39R)	(40F39R)	5,000		43F5K0	45F5K0	40F5K0
40	41F40R	43F40R	45F40R	40F40R	6,000		(43F6K0)	45F6K0	(40F6K0)
47	41F47R	43F47R	(45F47R)	(40F47R)	6,800		43F6K8	45F6K8	(40F6K8)
50	41F50R	43F50R	45F50R	40F50R	7,000		43F7K0	45F7K0	(40F7K0)
56	41F56R	43F56R	(45F56R)	40F56R	7,500		43F7K5	45F7K5	(40F7K5)
62	41F62R	43F62R	45F62R	40F62R	8,000		43F8K0	(45F8K0)	40F8K0
68	41F68R	43F68R	45F68R	40F68R	9,000		(43F9K0)	45F9K0	(40F9K0)
75	41F75R	43F75R	(45F75R)	40F75R	10,000		43F10K	45F10K	40F10K
82	(41F82R)	43F82R	45F82R	40F82R	12,000			(45F12K)	40F12K
100	41F100	43F100	45F100	40F100	13,000			45F13K	(40F13K)
120	(41F120)	43F120	45F120	40F120	15,000			45F15K	40F15K
125	41F125	(43F125)	(45F125)	40F125	17,000			45F17K	(40F17K)
150	41F150	43F150	45F150	(40F150)	20,000			45F20K	40F20K
180	41F180	43F180	(45F180)	40F180	22,000			45F22K	40F22K
200	41F200	43F200	45F200	40F200	25,000			45F25K	40F25K
220	41F220	43F220	(45F220)	(40F220)	30,000			45F30K	(40F30K)
225	(41F225)	(43F225)	(45F225)	40F225	33,000				40F33K
250	41F250	43F250	45F250	40F250	35,000				(40F35K)
270	41F270	43F270	(45F270)	40F270	40,000				40F40K
300	41F300	(43F300)	45F300	40F300	50,000				40F50K
330	41F330	(43F330)	(45F330)	(40F330)					
350	(41F350)	43F350	(45F350)	40F350					
390	(41F390)	43F390	(45F390)	(40F390)					
400	41F400	43F400	45F400	(40F400)					

¹Popular 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. **PARENTHESSES** (items) indicate non-stock standard items subject to a minimum handling charge per item.

Axial Lead Resistors

40 Series 5% Tolerance

Ohmicon[®] Silicone—Ceramic Conformal Axial Lead Wirewound Resistors

Stock Part Numbers¹ For Standard Resistance Values

(Non Standard Values Available By Special Order. Contact Nearest Ohmite Sales Office.)

Resistance	Part No.					Watt	Part No.				
	3 Watt	5 Watt	10 Watt	3 Watt	5 Watt		10 Watt				
.1	41JR10	42JR10	43JR10	45JR10	40JR10	300	41J300	42J300	43J300	45J300	40J300
.15	41JR15	42JR15	43JR15	45JR15	40JR15	330	(41J330)	42J330	43J330	45J330	40J330
.2	41JR20	42JR20	43JR20	45JR20	40JR20	350	(41J350)	(42J350)	43J350	45J350	40J350
.3	41JR30	42JR30	43JR30	45JR30	40JR30	390	41J390	42J390	43J390	45J390	40J390
.4	41JR40	42JR40	43JR40	45JR40	40JR40	400	41J400	(42J400)	43J400	45J400	40J400
.5	41JR50	42JR50	43JR50	45JR50	40JR50	450	(41J450)	(42J450)	(43J450)	45J450	40J450
.75	41JR75	42JR75	43JR75	45JR75	40JR75	470	41J470	42J470	43J470	45J470	40J470
1	41J1R0	42J1R0	43J1R0	45J1R0	40J1R0	500	(41J500)	42J500	43J500	45J500	40J500
1.5	41J1R5	42J1R5	43J1R5	45J1R5	40J1R5	560	41J560	(42J560)	(43J560)	45J560	40J560
2	41J2R0	42J2R0	43J2R0	45J2R0	40J2R0	600	(41J600)	(42J600)	43J600	45J600	40J600
2.2	41J2R2	42J2R2	43J2R2	45J2R2	40J2R2	680	41J680	42J680	43J680	45J680	40J680
3	41J3R0	42J3R0	43J3R0	45J3R0	40J3R0	750	41J750	(42J750)	43J750	45J750	40J750
4	41J4R0	42J4R0	43J4R0	45J4R0	40J4R0	800	(41J800)	(42J800)	43J800	(45J800)	40J800
5	41J5R0	42J5R0	43J5R0	45J5R0	40J5R0	820	41J820	42J820	43J820	45J820	40J820
7.5	(41J7R5)	42J7R5	43J7R5	45J7R5	40J7R5	900	(41J900)	(42J900)	43J900	45J900	40J900
10	41J10R	42J10R	43J10R	45J10R	40J10R	1,000	41J1K0	42J1K0	43J1K0	45J1K0	40J1K0
12	41J12R	42J12R	43J12R	45J12R	40J12R	1,100	(41J1K1)	42J1K1	(43J1K1)	45J1K1	40J1K1
15	41J15R	(42J15R)	43J15R	45J15R	40J15R	1,200	(41J1K2)	—	43J1K2	45J1K2	40J1K2
18	(41J18R)	(42J18R)	43J18R	45J18R	40J18R	1,500	41J1K5	42J1K5	43J1K5	(45J1K5)	40J1K5
20	(41J20R)	42J20R	43J20R	45J20R	40J20R	1,800	41J1K8	—	43J1K8	45J1K8	40J1K8
22	41J22R	42J22R	43J22R	45J22R	40J22R	2,000	(41J2K0)	—	43J2K0	45J2K0	40J2K0
25	(41J25R)	42J25R	43J25R	45J25R	40J25R	2,200	(41J2K2)	—	43J2K2	45J2K2	40J2K2
27	(41J27R)	42J27R	43J27R	45J27R	40J27R	2,500	41J2K5	—	43J2K5	45J2K5	40J2K5
30	(41J30R)	42J30R	(43J30R)	45J30R	40J30R	2,700	(41J2K7)	—	43J2K7	45J2K7	40J2K7
33	(41J33R)	42J33R	43J33R	45J33R	40J33R	3,000	(41J3K0)	42J3K0	43J3K0	45J3K0	40J3K0
35	41J35R	42J35R	(43J35R)	45J35R	(40J35R)	3,300			43J3K3	45J3K3	40J3K3
39	(41J39R)	42J39R	43J39R	45J39R	(40J39R)	3,500			(43J3K5)	45J3K5	40J3K5
40	(41J40R)	(42J40R)	(43J40R)	45J40R	40J40R	3,900			43J3K9	45J3K9	40J3K9
47	41J47R	42J47R	43J47R	45J47R	40J47R	4,000			(43J4K0)	45J4K0	40J4K0
50	41J50R	42J50R	43J50R	45J50R	40J50R	4,500			(43J4K5)	45J4K5	40J4K5
56	41J56R	42J56R	43J56R	45J56R	40J56R	4,700			43J4K7	45J4K7	40J4K7
62	(41J62R)	42J62R	(43J62R)	45J62R	40J62R	5,000			43J5K0	45J5K0	40J5K0
68	41J68R	42J68R	43J68R	45J68R	(40J68R)	6,000			43J6K0	45J6K0	40J6K0
75	41J75R	42J75R	43J75R	45J75R	40J75R	6,800			43J6K8	45J6K8	40J6K8
82	41J82R	42J82R	43J82R	45J82R	(40J82R)	7,000			(43J7K0)	(45J7K0)	40J7K0
100	41J100	42J100	43J100	45J100	40J100	7,500			43J7K5	45J7K5	40J7K5
120	(41J120)	42J120	43J120	45J120	(40J120)	8,000			43J8K0	45J8K0	40J8K0
125	41J125	(42J125)	43J125	45J125	40J125	9,000			(43J9K0)	(45J9K0)	40J9K0
150	41J150	42J150	43J150	45J150	40J150	10,000			43J10K	45J10K	40J10K
180	(41J180)	42J180	43J180	45J180	(40J180)						
200	41J200	42J200	43J200	45J200	40J200						
220	41J220	(42J220)	43J220	45J220	40J220						
225	(41J225)	(42J225)	(43J225)	45J225	(40J225)						
250	41J250	42J250	43J250	45J250	40J250						
270	41J270	42J270	(43J270)	45J270	40J270						

Axial Lead Resistors

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