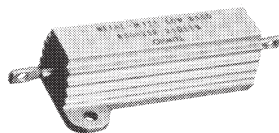


Metal-Mite Aluminum Housed Axial Lead Wirewound Resistors 1% Tolerance

The 89 Type are high performance axial-lead type resistors. These molded construction metal housed resistors are available in higher power ratings than standard axial-lead resistors and are better suited to withstand vibration, shock and harsh environmental conditions



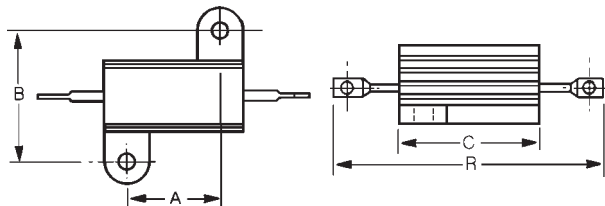
FEATURES

High Stability $\pm 0.5\%$

High Power to size ratio

Metal housing allows chassis mounting and provides heat sink capability
In accordance with MIL-R-18546 specifications

Resistors are marked with "MIL" designation and Ohmite stock part number.



Inches

Power Rating		A	B	C	R
Mil-R-Type	Watts	$\pm .005$	$\pm .005$	$\pm .031$	$\pm .062$
RE60G	5	.444	.490	.600	1.125
RE65G	10	.562	.625	.750	1.375
RE70G	20	.719	.781	1.062	1.938
RE75G	30	1.563	.844	1.968	2.781

89 Type Part Numbers For Standard Resistance Values

Ohms	Part Number			
	5 Watt RE60G	10 Watt RE65G	25 Watt RE70G	50 Watt RE75G
.1	-	-	825FR10	850FR10
.3	-	-	825FR30	-
.5	-	-	825FR50	-
1	805F1R0	810F1R0	825F1R0	850F1R0
1.5	-	810F1R5	-	-
2	-	810F2R0	825F2R0	850F2R0
3	805F3R0	810F3R0	825F3R0	850F3R0
4	-	810F4R0	-	-
5	805F5R0	810F5R0	825F5R0	850F5R0
10	805F10R	810F10R	825F10R	850F10R
15	805F15R	810F15R	825F15R	850F15R
20	805F20R	810F20R	-	-
25	805F25R	810F25R	825F25R	850F25R
40	-	810F40R	-	-
50	805F50R	810F50R	825F50R	850F50R
75	-	-	825F75R	850F75R
100	805F100	810F100	825F100	850F100
150	805F150	810F150	825F150	850F150
200	-	-	825F200	850F200
250	805F250	810F250	825F250	850F250
300	805F300	-	-	-
500	805F500	-	825F500	850F500
750	-	-	825F750	850F750
1000	-	810F1K0	825F1K0	850F1K0
1500	805F1K5	-	-	850F1K5
2000	805F2K0	810F2K0	-	-
2500	805F2K5	810F2K5	-	-
3000	-	810F3K0	825F3K0	-
4000	805F4K0	810F4K0	-	-
5000	805F5K0	810F5K0	825F5K0	850F5K0
10,000	805F10K	-	825F10K	850F10K
15,000	805F15K	810F15K	-	-
25,000	805F25K	-	-	-

Brown Devil Vitreous Enamel Power Resistors Part Numbers For Standard Resistance Values



Ohmite's Brown Devils are exceptionally durable power resistors. They feature all-welded construction and rugged, flame resistant conformal vitreous enamel coating to ensure successful performance under high temperatures. The wire-wound 200 type resistors have a hollow-core construction, which accommodates rigid mounting with brackets or thru bolts

Inches

Power Rating Watts	Core Dimensions Only			
	Length inches	O.D. inches	I.D. inches	Lead Gauge
5-1/4	.625	0.250	0.135	20
8	1.000	0.313	0.188	18
12	1.750	0.313	0.188	18
20	2.000	0.438	0.250	18

FEATURES

Rugged vitreous enamel coating

All-welded construction

Self supporting lead mounting option

Flame resistant vitreous enamel coating

Ohms	Part Number			
	5-1/4 Watt	8 Watt	12 Watt	20 Watt
.5	-	-	B12JR50	B20JR50
1	B5J1R0	B8J1R0	B12J1R0	B20J1R0
1.5	B5J1R5	B8J1R5	B12J1R5	-
1.8	B5J1R8	-	-	-
2	B5J2R0	B8J2R0	B12J2R0	B20J2R0
2.4	B5J2R4	-	-	-
2.7	B5J2R7	-	-	-
3	B5J3R0	B8J3R0	B12J3R0	B20J3R0
3.6	B5J3R6	-	-	-
3.9	B5J3R9	-	-	-
4	-	B8J4R0	B12J4R0	B20J4R0
4.3	B5J4R3	-	-	-
4.7	B5J4R7	-	-	-
5	-	B8J5R0	B12J5R0	B20J5R0
5.1	B5J5R1	-	-	-
5.6	B5J5R6	-	-	-
6.2	B5J6R2	-	-	-
6.8	B5J6R8	-	-	-
7.5	B5J7R5	B8J7R5	B12J7R5	-
8.2	B5J8R2	-	-	-
9.1	B5J9R1	-	-	-
10	B5J10R	B8J10R	B12J10R	B20J10R
12	B5J12R	B8J12R	B12J12R	-
13	-	-	-	-
15	B5J15R	B8J15R	B12J15R	-
20	B5J20R	B8J20R	B12J20R	-
22	B5J22R	-	-	-
24	B5J24R	-	-	-
25	-	B8J25R	B12J25R	B20J25R
27	B5J27R	-	-	-
30	B5J30R	B8J30R	B12J30R	-
33	B5J33R	-	-	-
35	-	B8J35R	B12J35R	-
39	B5J39R	-	-	-
40	-	B8J40R	B12J40R	B20J40R
43	B5J43R	-	-	-
47	B5J47R	-	-	-
50	-	B8J50R	B12J50R	B20J50R
51	B5J51R	-	-	-
56	B5J56R	-	-	-

Ohmite 200 Type Resistors Continued

Ohms	Part Number			
	5-1/4 Watt	8 Watt	12 Watt	20 Watt
62	B5J56R			
68	B5J68R			
75	B5J75R	B8J75R	B12J75R	B20J75R
82	B5J82R			
91	B5J91R			
100	B5J100	B8J100	B12J100	B20J100
120	B5J120			
125		B8J125	B12J125	B20J125
150	B5J150	B8J150	B12J150	B20J150
160	B5J160			
180	B5J180			
200	B5J200	B8J200	B12J200	B20J200
220	B5J220			
225		B8J225	B12J225	
240	B5J240			
250		B8J250	B12J250	B20J250
270	B5J270			
300		B8J300	B12J300	B20J300
330	B5J330			
350		B8J350	B12J350	B20J350
390	B5J390			
400		B8J400	B12J400	B20J400
450		B8J450	B12J450	
470	B5J470			
500		B8J500		B20J500
510	B5J510			
560	B5J560			
600		B8J600	B12J600	
620	B5J620			
650				B20J650

Ohms	Part Number			
	5-1/4 Watt	8 Watt	12 Watt	20 Watt
680	B5J680			
700		B8J700	B12J700	B20J700
750	B5J750	B8J750	B12J750	B20J750
800		B8J800	B12J800	B20J800
820	B5J820			
900		B8J900	B12J900	B20J900
1,000	B5J1K0	B8J1K0	B12J1K0	B20J1K0
1,100	B5J1K1			
1,200	B5J1K2		B12J1K2	B20J1K2
1,250		B8J1K25	B12J1K25	B20J1K25
1,300	B5J1K3			
1,500	B5J1K5	B8J1K5	B12J1K5	B20J1K5
1,750		B8J1K75	B12J1K75	B20J1K75
2,000	B5J2K0	B8J2K0	B12J2K0	B20J2K0
2,200	B5J2K2			
2,250		B8J2K25	B12J2K25	B20J2K25
2,500		B8J2K5	B12J2K5	B20J2K5
2,700	B5J2K7			
2,750				B20J2K75
3,000	B5J3K0	B8J3K0	B12J3K0	B20J3K0
3,300	B5J3K3			
3,500		B8J3K5	B12J3K5	B20J3K5
3,900	B5J3K9			
4,000		B8J4K0	B12J4K0	B20J4K0
4,500		B8J4K5	B12J4K5	
4,700	B5J4K7			
5,000	B5J5K0	B8J5K0	B12J5K0	B20J5K0
5,600	B5J5K6			
6,000		B8J6K0	B12J6K0	B20J6K0
6,800	B5J6K8			

Ohms	Part Number			
	5-1/4 Watt	8 Watt	12 Watt	20 Watt
7,000		B8J7K0	B12J7K0	820J7K0
7,500	B5J75K	B8J7K5	B12J7K5	820J7K5
8,000		B8J8K0	B12J8K0	820J8K0
9,000		B8J9K0		B20K9K0
10,000	B5J10K	B8J10K	B12J10K	B20J10K
11,000			B12J11K	
12,000	B5J12K		B12J12K	
12,500		B8J12K5	B12J12K5	B20J12K5
13,000	B5J13K			
13,500			B12J13K5	
15,000	B5J15K	B8J15K	B12J15K	B20J15K
16,000			B12J16K	
17,500			B12J17K5	
18,000			B12J18K	
20,000	B5J20K	B8J20K	B12J20K	B20J20K
22,500			B12J22K5	
25,000		B8J25K	B12J25K	B20J25K
30,000			B12J30K	B20J30K
35,000			B12J35K	B20J35K
40,000			B12J40K	B20J40K
45,000			B12J45K	
50,000			B12J50K	B20J50K
80,000				B20J80K
100,000				B20J100K

Quantity prices are available. Please call any of the toll free numbers on the back cover for current and/or quantity prices.

200 Type Resistor Mounting Hardware

Mounting Brackets:

Fits inside core of 200 type and remains in place by spring tension. Standard brackets, plated steel, have no suffix: Spring steel brackets indicated by an "S" suffix

Part Number		Mtg. Screw Size (Max.)	Fits Models
Std.	Spring Steel		
5	5S	6	8 and 12 Watt
7	7S	6	20Watt

Thru-Bolts

Thru-Bolts along with Centering and Mica Insulating Washers mounting 200 Type Resistors perpendicularly to panels up to 1/4" thick.

Part Number	Bolt Size Length	No.	For Resistors (Power Ratings)
7PA5	1 3/4 in.	8	8Watt
7PA10	2 1/2 in.	8	12Watt
7PA20	2 3/4 in.	8	20Watt

270 Type Vitreous Enamel Resistors

Select 270 Type fixed resistors for applications requiring wattage ratings from 25 to 225 watts. The 270 Type resistors are equipped with lug terminals suitable for soldering or sturdy bolt connection. When secure mounting is required, the hollow core of these resistors permit fastening with spring-steel type brackets, thru bolts or thru-bolts with slotted-steel brackets. Suitable for rugged applications, the 270 Type resistors feature all-welded construction and durable vitreous enamel coating.

FEATURES

Terminals suitable for soldering or bolt connection.

High wattage applications.

Rugged vitreous enamel coating.

Flame resistant coating.

All-welded construction.

Inches

Power Rating Watts	Core Dimensions Only		
	Length inches	O.D. inches	I.D. inches
25	2.0	.562	.313
50	4.0	.562	.313
100	6.5	.75	.50
225	10.5	1.125	.75

Ohms	Part Number			
	25 Watt	50 Watt	100 Watt	225 Watt
1	L25J1R0	L50J1R0	L100J1R0	L225J1R0
2	L25J2R0	L50J2R0	L100J2R0	L225J2R0
3	L25J3R0	L50J3R0	L100J3R0	L225J3R0
4	L25J4R0	L50J4R0	L100J4R0	L225J4R0
5	L25J5R0	L50J5R0	L100J5R0	L225J5R0
10	L25J10R	L50J10R	L100J10R	L225J10R
15	L25J15R			
25	L25J25R	L50J25R	L100J25R	L225J25R
50	L25J50R	L50J50R	L100J50R	L225J50R
75	L25J75R	L50J75R	L100J75R	L225J75R
100	L25J100	L50J100	L100J100	L225J100
125			L100J125	
150	L25J150	L50J150	L100J150	L225J150
200	L25J200	L50J200		
250	L25J250	L50J250	L100J250	L225J250
500	L25J500	L50J500	L100J500	L225J500
750	L25J750	L50J750	L100J750	L225J750
800	L25J800	L50J800		
1,000	L25J1K0	L50J1K0	L100J1K0	L225J1K0
1,500	L25J1K5	L50J1K5	L100J1K5	L225J1K5
2,000	L25J2K0	L50J2K0	L100J2K0	L225J2K0



Ohms	Part Number			
	25 Watt	50 Watt	100 Watt	225 Watt
2,500	L25J2K5	L50J2K5	L100J2K5	L225J2K5
3,000	L25J3K0	L50J3K0	L100J3K0	L225J3K0
3,500	L25J3K5			
4,000	L25J4K0	L50J4K0	L100J5K0	L225J5K0
5,000	L25J5K0	L50J5K0		
6,000	L25J6K0		L100J7K5	L225J7K5
7,500	L25J7K5	L50J7K5	L100J10K	L225J10K
10,000	L25J10K	L50J10K		
12,000	L25J12K		L100J15K	L225J15K
15,000	L25J15K	L50J15K	L100J20K	L225J20K
20,000	L25J20K	L50J20K		L225J25K
25,000	L25J25K	L50J25K	L100J30K	L225J30K
30,000				
35,000		L50J35K		L225J40K
40,000	L25J40K		L100J50K	L225J50K
50,000	L25J50K	L50J50K		L225J60K
60,000				L225J75K
75,000		L50J75K	L100J100K	L225J100K
100,000	L25J100K	L50J100K		
150,000		L50J150K		
200,000		L50J175K		
250,000		L50J250K		

210Type Dividohm Vitreous Enamel Adjustable Power Resistors

These wire-wound resistors are equipped with an adjustable lug, making them ideal for adjusting circuits, obtaining odd resistance values and setting equipment to meet various line voltages.

210 Type resistors feature a hollow core to permit secure fastening with spring-type clips, thru bolts or thru bolts with washers. They also offer the durability of vitreous enamel coating and all-welded construction.

FEATURES

Terminals suitable for soldering or bolt connection.

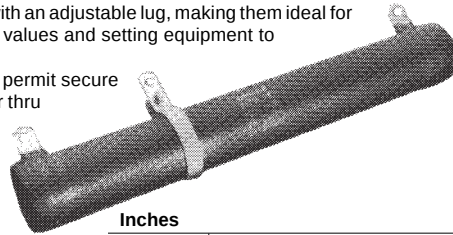
Adjustable slotted lug supplied

High wattage applications.

Rugged vitreous enamel coating.

Flame resistant coating.

All-welded construction.



Power Rating Watts	Core Dimensions Only		
	Length inches	O.D. inches	I.D. inches
25	2.0	.562	.313
50	4.0	.562	.313
100	6.5	.75	.50
175	8.5	1.125	.75
225	10.5	1.125	.75

Rheostats (Potentiometers) Wirewound

A wide range of models, from 7-1/2 watts up to 1000 watts, allows for most applications such as motor speed controls, light dimmers and for equipment requiring convenient variable resistance settings.

Models	E Enclosed	E Unen- closed	H	J	K	L
Dia (in.)	1-3/64	1-1/8	1-9/16	2-5/16	3-1/8	4
Behind Panel (in.)	1-7/32	11/16	1-3/8	1-3/8	1-3/4	2

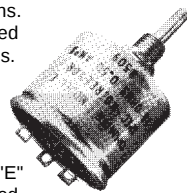
FEATURES

Potentiometer and Rheostat applications.

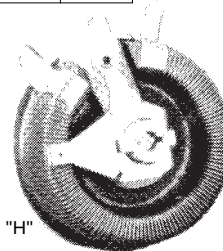
Linear windings on stock models; tapered windings available on special order basis.

Windings secured to prevent shifting

Fine graduation of control



Model "E"
Enclosed



Model "H"

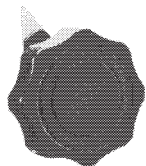
Ohms	Part Number				
	25 Watt	50 Watt	100 Watt	175 Watt	225 Watt
1	D25K1R0	D50K1R0	D100K1R0	D175K1R0	D225K1R0
2	D25K2R0	D50K2R0	D100K2R0	D175K2R0	D225K2R0
3	D25K3R0	D50K3R0	D100K3R0	D175K3R0	D225K3R0
4	D25K4R0	D50K4R0	D100K4R0	D175K4R0	D225K4R0
5	D25K5R0	D50K5R0	D100K5R0	D175K5R0	D225K5R0
7.5	D25K7R5				
10	D25K10R	D50K10R	D100K10R	D175K10R	D225K10R
15	D25K15R				
20	D25K20R				
25	D25K25R	D50K25R	D100K25R	D175K25R	D225K25R
50	D25K50R	D50K50R	D100K50R	D175K50R	D225K50R
75	D25K75R	D50K75R			
100	D25K100	D50K100	D100K100	D175K100	D225K100
150	D25K150	D50K150			
200	D25K200	D50K200			
250	D25K250	D50K250	D100K250	D175K250	D225K250
300	D25K300	D50K300			
400	D25K400	D50K400			
500	D25K500	D50K500	D100K500	D175K500	D225K500
750	D25K750	D50K750			
800	D25K800	D50K800			
1,000	D25K1K0	D50K1K0	D100K1K0	D175K1K0	D225K1K0
1,500	D25K1K5	D50K1K5	D100K1K5	D175K1K5	D225K1K5
2,000	D25K2K0	D50K2K0			
2,500	D25K2K5	D50K2K5	D100K2K5	D175K2K5	D225K2K5
3,000	D25K3K0	D50K3K0			
5,000	D25K5K0	D50K5K0	D100K5K0	D175K5K0	D225K5K0
7,000	D25K7K0				
7,500	D25K7K5	D50K7K5			
10,000	D25K10K	D50K10K	D100K10K	D175K10K	D225K10K
15,000	D25K15K	D50K15K			
20,000	D25K20K	D50K20K			
25,000	D25K25K	D50K25K			
50,000		D50K50K	D100K50K		
100,000		D50K100K	D100K100K	D175K100K	

12-1/2 Watt Model "E"				25 Watt Model "H"			50 Watt Model "J"		100 Watt Model "K"		150 Watt Model "L"
Total Ohms	Part No. Unenclosed		Part No. Enclosed	Total Ohms	Standard Shaft	Locking Shaft	Total Ohms	Standard Shaft	Total Ohms	Standard Shaft	Standard Shaft
	Standard Shaft	Locking Shaft									
1	RES1R0			1	RHS1R0	RHL1R0	.5	RJSR50	.5	RKSR50	RLSR50
2	RES2R0			2	RHS2R0		1	RJS1R0	1	RKS1R0	RLS1R0
3	RES3R0	REL3R0	REE3R0	3	RHS3R0	RHL3R0	2	RJS2R0	2	RKS2R0	RLS2R0
5	RES5R0	REL5R0		6	RHS6R0	RHL6R0	4	RJS4R0	3	RKS3R0	RLS3R0
6	RES6R0			8	RHS8R0		6	RJS6R0	5	RKS5R0	RLS5R0
8	RES8R0			10			8	RJS8R0	7.5	RKS7R5	RLS7R5
10	RES10R			15			12	RJS12R	10	RKS10R	RLS10R
15	RES15R	REL15R		25	RHS25R	RHL25R	16	RJS16R	15		RLS15R
25	RES25R			35			22	RJS22R	16	RKS16R	
35	RES35R	REL35R		50			35	RJS35R	25	RKS25R	RLS25R
50	RES50R	REL50R	REE50R	75	RHS75R	RHL75R	50	RJS50R	35		RLS35R
75	RES75R	REL75R		100	RHS100	RHL100	80	RJS80R	50	RKS50R	RLS50R
100	RES100	REL100	REE100	125	RHS125		125	RJS125	75	RKS75R	RLS75R
125	RES125			175	RHS175	RHL175	150	RJS150	100	RKS100	RLS100
175	RES175			250	RHS250	RHL250	225	RJS225	150		RLS150
200	RES200	REL200	REE200	350	RHS350		300	RJS300	200	RKS200	RLS200
250	RES250			500	RHS500	RHL500	500	RJS500	250		RLS250
350	RES350	REL350		750	RHS750		800	RJS800	300	RKS300	
500	RES500		REE500	1,000	RHS1K0	RHL1K0	1,000	RJS1K0	350		RLS350
750	RES750			1,500	RHS1K5		1,600	RJS1K6	400	RKS400	
1,000	RES1K0	REL1K0		2,500	RHS2K5		2,500	RJS2K5	500	RKS500	RLS500
1,500	RES1K5	REL1K5		3,500	RHS3K5		3,500	RJS3K5	750	RKS750	RLS750
2,500	RES2K5	REL2K5		5,000	RHS5K0	RHL5K0	5,000	RJS5K0	1,000	RKS1K0	
3,500	RES3K5		REE3K5	7,500	RHS7K5		8,000	RJS8K0	1,250		RLS1K25
5,000	RES5K0		REE5K0	10,000	RHS10K	RHL10K	10,000	RJS10K	1,500	RKS1K5	
7,500	RES7K5			15,000	RHS15K		20,000	RJS20K	1,800		RLS1K8
10,000	RES10K		REE10K	20,000	RHS20K		25,000	RJS25K	2,000	RKS2K0	RLS2K25
15,000	RES15K			25,000	RHS25K	RHL25K	50,000	RJS50K	2,250		
									2,500	RKS2K5	RLS3K0
									3,000		RLS4K5
									4,500		
									5,000	RKS5K0	
									7,500	RKS7K5	RLS7K5

Rheostat Hardware

Knobs

Any knob can be used with any rheostat model which has the corresponding shaft diameter. Knobs are fastened to shafts with slotted set screw.



#5109



#5105

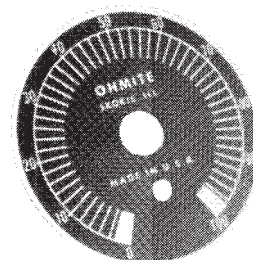


#5115

Slotted Set Screw	Description	Knob Dia.	Hole Dia.
5102	Bar Knob 2-1/4" Long		1/4"
5103	Bar Knob 1-1/4" Long		1/4"
5104	Handwheel with pointer	3-1/4"	3/8"
5105	Handwheel without pointer	3-1/4"	3/8"
5106	Handwheel with pointer	3-1/4"	1/4"
5107	Handwheel without pointer	3-1/4"	1/4"
5109	Finger-grip with pointer	1-5/8"	1/4"
5110	Finger-grip without pointer	1-5/8"	1/4"
5111	Finger-grip with pointer	2-3/8"	1/4"
5112	Finger-grip without pointer	2-3/8"	1/4"
5115	Bar knob, 4-3/4"		3/8"
5116	Bar knob, 1-1/2"		1/4"
5150	Finger-grip	1-1/2"	1/4"
5151	Finger-grip	3/4"	1/8"

Rheostat Dials

Handsomely finished dials for Ohmite rheostats. Figures and lines are etched on a black background for contrast and ease of readability. Divisions, which indicate approximate percentage of rheostat resistance in circuit, are marked from 0 to 100.



Part Number	For Rheostat	Dial Diameter	Recommended Knob
5007	E	1-1/4"	5151
5000	H, J, K, L	2-3/16"	5150, 5116, 5103

POWER TAP SWITCHES

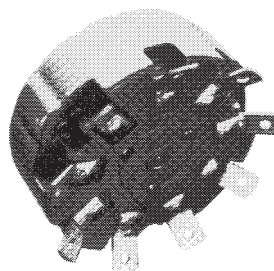
High Current, Non-Shorting Type

Material

Body: Ceramic, arc-proof (Models 111, 312, 412)

Contacts: Silver Alloy. Common contact is rounded for assured seating. Self-cleaning with built in wiping action.

UL Listed FILE E-14245



Model	Amps	Volts		Shaft Torque	Number of Taps Maximum	Terminals	Body Diameter	Shaft Diameter
		AC Standard	DC Non-Inductive Load					
111	15	125	20	1.5-3.8 in.-lbs	11	Solder Type	1-3/4"	1/4"
312	30	300	20	3-7 in.-lbs	12	Solder Type	3-5/16"	1/4"
412	50	300	20	3-8 in.-lbs	12	Solder Lugs / #10 Screws	4-3/16"	1/4"

MODEL 111

For 1/4" panel, maximum, using 3/8-32 bushing and hex nut. Use 5150 or 5116 Knobs.

MODEL 312

For 1/4" panel, maximum, use three 10-32 flat-head machine screws 3/8" long (Supplied) Use 5109 or 5110 Knobs

MODEL 412

For 1/4" panel, maximum, three 10-32 flat-head machine screws 3/8" are supplied. Drill 5/16" hole in panel for shaft. Use 5111 or 5112 Knobs.

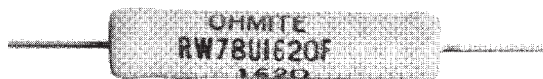
MODEL 111			MODEL 312			MODEL 412		
No. of Taps	Part Number	Total Rotation	No. of Taps	Part Number	Total Rotation	No. of Taps	Part Number	Total Rotation
3	111-3	60°	3	312-3	60°	3	412-3	60°
4	111-4	90°	4	312-4	90°	4	412-4	90°
5	111-5	120°	5	312-5	120°	5	412-5	120°
6	111-6	150°	6	312-6	150°	6	412-6	150°
7	111-7	180°	7	312-7	180°	7	412-7	180°
8	111-8	210°	8	312-8	210°	8	412-8	210°
9	111-9	240°	9	312-9	240°	9	412-9	240°
10	111-10	270°	10	312-10	270°	10	412-10	270°
11	111-11	300°	11	312-11	300°	11	412-11	300°
			12	312-12	330°	12	412-12	330°



RESISTORS

SERIES 80 1% Tolerance

Acrasil Silicone-Ceramic Conformal Axial Lead
Wirewound Resistors 1% Tolerance



The wirewound 80 Series 1% tolerance resistors have a low temperature coefficient and maintain a high degree of stability under demanding conditions. They feature all welded construction and have the ability to maintain accurate resistance values due to their being stabilized. High quality 80 Series resistors meet or exceed rigid MIL-R-26 specifications.

FEATURES

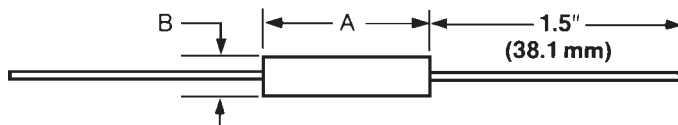
High Stability

Designed for precision power applications

Resistors marked with "Mil" designation and Ohmite stock part number

In accordance with MIL-R- specifications.

All - Welded construction



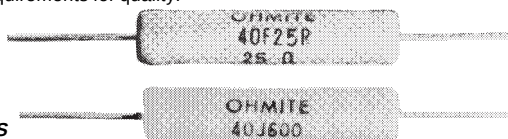
Power Rating Watts	MIL-R-26 Designation	Body Dimensions		Leads Ga.
		Max. Lgth.-A Inches	Max. Dia. -B Inches	
1	RW70U-F	.437	.125	24
3	RW79U-F	.597	.218	20
5	RW74U-F	.937	.343	18
10	RW78U-F	1.842	.406	18

Ohms	Part Number				Ohms	Part Number				Ohms	Part Number			
	1 Watt	3 Watt	5 Watt	10 Watt		1 Watt	3 Watt	5 Watt	10 Watt		1 Watt	3 Watt	5 Watt	10 Watt
.1	81FR10	83FR10	85FR10	80FR10	11					1,620		83F1K62		
.11		83FR11	85FR11	80FR11	12.1	81F12R1	83F12R1	85F12R1	80F12R1	1,820	81F1K82	83F1K82	80F1K82	80F1K82
.121	81FR121	83FR121	85FR121	80FR121	15	81FF15R	83F15R	85F15R		2,000	81F2K0	83F2K0	80F2K0	80F2K0
.133		83FR133		80FR133	18.2	81F18R2	83F18R2	85F18R2	80F18R2	2,210		83F2K21	80F2K21	80F2K21
.15	81FR15	83FR15	85FR15	80FR15	20	81F20R	83F20R	85F20R	80F20R	2,490	81F2K49	83F2K49	80F2K49	80F2K49
.162			80FR162	80FR162	22.1		83F22R1	85F22R1	80F22R1	2,740		83F2K74	80F2K74	80F2K74
.182	81FR182	83FR182	85FR182	80FR182	24.9	81F24R9	83F24R9	85F24R9	80F24R9	3,010	81F3K01	83F3K01	80F3K01	80F3K01
.2	81FR20	83FR20	85FR20	80FR20	27.4		83F27R4	85F27R4	80F27R4	3,320		83F3K32	80F3K32	80F3K32
.221		83FR221	85FR221	80FR221	30.1	81F30R1	83F30R1	85F30R1	80F30R1	3,740		83F3K74	80F3K74	80F3K74
.249	81FR249	83FR249	85FR249	80FR249	33.2		83F33R2	85F33R2	80F33R2	4,020		83F4K02	80F4K02	80F4K02
.274		83FR274	85FR274	80FR274	37.4		83F37R4		80F37R4	4,530		83F4K53		80F4K53
.301	81FR301	83FR301	85FR301	80FR301	40.2	81F40R2	83F40R2	85F40R2	80F40R2	4,990		83F4K99	80F4K99	80F4K99
.332		83FR332		80FR332	45.3		83F45R3	85F45R3	80F45R3	5,110		83F5K11	80F5K11	80F5K11
.374		83FR374		80FR374	49.9	81F49R9	83F49R9	85F49R9	80F49R9	5,620		83F5K62	80F5K62	80F5K62
.392		83FR392	85FR392	80FR392	51.1		83F51R1	85F51R1	80F51R1	6,190		83F6K19	80F6K19	80F6K19
.402	81FR402	83FR402	85FR402	80FR402	56.2	81F56R2	83F56R2	85F56R2	80F56R2	6,810		83F6K81	80F6K81	80F6K81
.453		83FR453	85FR453	80FR453	61.9		83F61R9	85F61R9	80F61R9	7,500		83F7K5	80F7K5	
.499	81FR499	83FR499	85FR499	80FR499	68.1	81F68R1	83F68R1	85F68R1	80F68R1	8,250		83F8K25	80F8K25	80F8K25
.511		83FR511			75		83F75R		80F75R	9,090		80F9K09		
.562	81FR562	83FR562	85FR562	80FR562	82.5	81F82R5	83F82R5	85F82R5	80F82R5	10,000		83F10K	80F10K	80F10K
.619		83FR619	85FR619	80FR619	90.9		83F90R9	85F90R9	80F90R9	10,500		83F10K5		
.681	81FR681	83FR681	85FR681	80FR681	100	81F100	83F100	85F100	80F100	11,000		83F11K		
.75			85FR75	80FR75	110		83F110	85F110	80F110	12,100			80F12K1	
.825	81FR825	83FR825	85FR825	80FR825	121	81F121	83F121	85F121	80F121	13,300			80F13K3	
.909		83FR909		80FR909	133			85F133		15,000		83F15K	80F15K	80F15K
1	81FR0	83F1R0	85F1R0	80F1R0	150	81F150	83F150	85F150	80F150	16,200			80F16K2	
1.1		83F1R1	85F1R1	80F1R1	162		83F162	85F162	80F162	18,200			80F18K2	
1.21	81F1R21	83F1R21	85F1R21	80F1R21	182	81F182	83F182	85F182	80F182	20,000		83F20K	80F20K	80F20K
1.330			85F1R33	80F1R33	200	81F200	83F200	85F200	80F200	22,100			80F22K	80F22K
1.5	81F1R5	83F1R5	85F1R5	80F1R5	221		83F221	85F221	80F221	24,900			80F24K9	80F24K9
1.62			85F1R62	80F1R62	249	81F249	83F249	85F249	80F249	27,400			80F27K4	80F27K4
1.82	81F1R82	83F1R82	85F1R82	80F1R82	274		83F274		80F274	30,100			80F30K1	80F30K1
2	81F2R0	83F2R0	85F2R0	80F2R0	301	81F301	83F301	85F301	80F301	33,200			80F33K2	80F33K2
2.21		83F2R21	85F2R21	80F2R21	332		83F332	85F332	80F332	38,300			80F38K3	
2.49	81F2R49	83F2R49	85F2R49	80F2R49	374		83F374	85F374	80F374	40,200			80F40K2	80F40K2
2.74		83F2R74	85F2R74	80F2R74	402	81F402	83F402	85F402	80F402	45,300			80F45K3	80F45K3
3.01	81F3R01	83F3R01	85F3R01	80F3R01	453		83F453	85F453	80F453	49,900			80F49K9	80F49K9
3.32		83F3R32	85F3R32	80F3R32	499	81F499	83F499	85F499	80F499	51,100			80F51K1	80F51K1
3.74		83F3R74	85F3R74	80F3R74	511		83F511	85F511	80F511	56,200			80F56K2	80F56K2
4.02	81F4R02	83F4R02	85F4R02	80F4R02	562	81F562	83F562	85F562	80F562	61,900			80F61K9	
4.53		83F4R53	85F4R53	80F4R53	619		83F619	85F619	80F619	68,100			80F68K1	80F68K1
4.99	81F4R99	83F4R99	85F4R99	80F4R99	681	81F681	83F681	85F681	80F681	75,000			80F75K	80F75K
5.11		83F5R11	85F5R11	80F5R11	750		83F750	85F750	80F750	82,500			80F82K5	
5.62	81F5R62	83F5R62	85F5R62	80F5R62	825	81F825	83F825	85F825	80F825	90,900			80F90K9	80F90K9
6.19		83F6R19	85F6R19	80F6R19	909		83F909	85F909	80F909	100,000			80F100K	80F100K
6.81	81F6R81	83F6R81	85F6R81	80F6R81	1,000	81F1K0	83F1K0	85F1K0	80F1K0	150,000				80F150K
7.5		83F7R5	85F7R5	80F7R5	1,100			85F1K1	80F1K1	200,000				80F200K
8.25	81F8R25	83F8R25		80F8R25	1,210	81F1K21	83F1K21	85F1K21	80F1K21					
9.09		83F9R09	85F9R09	80F9R09	1,330			83F1K33						
10	81F10R	83F10R	85F10R	80F10R	1,500		81F1K5	83F1K5						

SERIES 40

Ohmicone Silicone-Ceramic Conformal Axial Lead Wirewound Resistors 1% and 5% Tolerances

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.



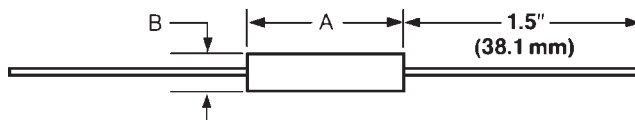
FEATURES

Economical.

Applications include commercial, industrial and communications equipment.

Stability under high temperature conditions

All-welded construction.



Power Rating Watts	Body Dimensions		Leads Ga.
	Max. Lgth.-A Inches	Max. Dia. -B Inches	
1	.437	.125	24
2	.406	.219	20
3	.563	.250	20
5	.937	.343	18
10	1.843	.406	18

1% Tolerance

Ohms	Part Number			
	1 Watt	3 Watt	5 Watt	10 Watt
.1		43FR10	45FR10	40FR10
.15		43FR15	45FR15	40FR15
.2		43FR20	45FR20	40FR20
.3		43FR30	45FR30	40FR30
.4		43FR40	45FR40	40FR40
.5		43FR50	45FR50	40FR50
.75			45FR75	40FR75
1	41F1R0	43F1R0	45F1R0	40F1R0
1.5	41F1R5	43F1R5	45F1R5	40F1R5
2	402R0	402R0	402R0	402R0
2.2	41F2R2	43F2R2	45F2R2	40F2R2
3	41F3R0	43F3R0	45F3R0	40F3R0
4	41F4R0	43F4R0	45F4R0	40F4R0
5	41F5R0	43F5R0	45F5R0	40F5R0
7.5	41F7R5	43F7R5	45F7R5	40F7R5
10	41F10R	43F10R	45F10R	40F10R
12		43F12R		40F12R
15	41F15R	43F15R	45F15R	40F15R
18		43F18R		40F18R
20	41F20R	43F20R	45F20R	40F20R
22	41F22R	43F22R	45F22R	40F22R
25	41F25R	43F25R	45F25R	40F25R
27		43F27R	45F27R	40F27R
30	41F30R	43F30R	45F30R	40F30R
33	41F33R	43F33R		40F33R
35	41F25R		45F25R	40F25R
39	41F39R	43F39R		40F39R
40	41F40R	43F40R	45F40R	40F40R
47	41F47R	43F47R		40F47R
50	41F50R	43F50R	45F50R	40F50R
56	41F56R	43F56R		40F56R
62	41F62R	43F62R	45F62R	40F62R
68	41F68R	43F68R	45F68R	40F68R
75	41F75R	43F75R		40F75R
82		43F82R	45F82R	40F82R
100	41F100	43F100	45F100	40F100
120		43F120	45F120	40F120
125	41F125			40F125
150	41F150	43F150	45F150	40F150
180	41F180	43F180		40F180
200	41F200	43F200	45F200	40F200
220	41F220	43F220		40F220
225				40F225
250	41F250	43F250	45F250	40F250
270	41F270	43F270		40F270
300	41F300		45F300	40F300
330	41F330			40F330
350		43F350		40F350
390		43F390		40F390
400	41F400	43F400	45F400	40F400

Ohms	Part Number			
	1 Watt	3 Watt	5 Watt	10 Watt
450		43F450	45F450	
470	41F470	43F470	45F470	
500	41F500	43F500	45F500	40F500
560	41F560	43F560	45F560	40F560
600	41F600	43F600	45F600	40F600
680	41F680	43F680		40F680
750	41F750	43F750	45F750	40F750
800	41F800	43F800	45F800	40F800
820	41F820	43F820	45F820	
900	41F900	43F900		
1,000	41F1K0	43F1K0	45F1K0	40F1K0
1,100			45F1K1	40F1K1
1,200	41F1K2		45F1K2	40F1K2
1,500	41F1K5	43F1K5	45F1K5	
1,800	41F1K8			40F1K8
2,000	41F2K0	43F2K0	45F2K0	40F2K0
2,200	41F2K2	43F2K2	45F2K2	40F2K2
2,500	41F2K5	43F2K5	45F2K5	40F2K5
2,700			45F2K7	40F2K7
3,000	41F3K0	43F3K0	45F3K0	40F3K0
3,500		43F3K5	45F3K5	
3,900		43F3K9	45F3K9	40F3K9
4,000		43F4K0		40F4K0
4,500				40F4K5
4,700		43F4K7	45F4K7	
5,000		43F5K0	45F5K0	40F5K0
6,000			45F6K0	
6,800		43F6K8	45F6K8	
7,000		43F7K0	45F7K0	
7,500		43F7K5	45F7K5	
8,000		43F8K0		40F8K0
9,000			45F9K0	
10,000		43F10K	45F10K	40F10K
12,000				40F12K
13,000			45F13K	
15,000			45F15K	40F15K
17,000			45F17K	
20,000			45F20K	40F20K
22,000			45F22K	40F22K
25,000			45F25K	40F25K
30,000			45F30K	
33,000				40F33K
40,000				40F40K
50,000				40F50K

SERIES 40

5% Tolerance on following page.

SERIES 40 5% Tolerance

Ohms	Part Number				
	1 Watt	2 Watt	3 Watt	5 Watt	10 Watt
.1	41JR10	42JR10	43JR10	45JR10	40JR10
.15	41JR15	42JR15	43JR15	45JR15	40JR15
.2	41JR20	42JR20	43JR20	45JR20	40JR20
.3	41JR30	42JR30	43JR30	45JR30	40JR30
.4	41JR40	42JR40	43JR40	45JR40	40JR40
.5	41JR50	42JR50	43JR50	45JR50	40JR50
.75	41JR75	42JR75	43JR75	45JR75	40JR75
1	41J1R0	42J1R0	43J1R0	45J1R0	40J1R0
1.5	41J1R5	42J1R5	43J1R5	45J1R5	40J1R5
2	41J2R0	42J2R0	43J2R0	45J2R0	40J2R0
2.2	41J2R2	42J2R2	43J2R2	45J2R2	40J2R2
3	41J3R0	42J3R0	43J3R0	45J3R0	40J3R0
4	41J4R0	42J4R0	43J4R0	45J4R0	40J4R0
5	41J5R0	42J5R0	43J5R0	45J5R0	40J5R0
7.5		42J7R5	43J7R5	45J7R5	40J7R5
10	41J10R	42J10R	43J10R	45J10R	40J10R
12	41J12R	42J12R	43J12R	45J12R	40J12R
15	41J15R		43J15R	45J15R	40J15R
18			43J18R	45J18R	40J18R
20		42J20R	43J20R	45J20R	40J20R
22	41J22R	42J22R	43J22R	45J22R	40J22R
25		42J25R	43J25R	45J25R	40J25R
27		42J27R	43J27R	45J27R	40J27R
30		42J30R	43J30R	45J30R	40J30R
33		42J33R	43J33R	45J33R	40J33R
35	41J35R	42J35R			
39		42J39R	43J39R	45J39R	
40				45J40R	40J40R
47	41J47R	42J47R	43J47R	45J47R	40J47R
50	41J50R	42J50R	43J50R	45J50R	40J50R
56	41J56R	42J56R	43J56R	45J56R	40J56R
62		42J62R		45J62R	40J62R
68	41J68R	42J68R	43J68R	45J68R	
75	41J75R	42J75R	43J75R	45J75R	40J75R
82	41J82R	42J82R	43J82R	45J82R	
100	41J100	42J100	43J100	45J100	40J100
120		42J120	43J120	45J120	
125	41J125		43J125	45J125	40J125
150	41J150	42J150	43J150	45J150	40J150
180		42J180	43J180	45J180	
200	41J200	42J200	43J200	45J200	40J200
220	41J220		43J220	45J220	40J220
225				45J225	
250	41J250	42J250	43J250	45J250	40J250
270	41J270	42J270		45J270	40J270

Ohms	Part Number				
	1 Watt	2 Watt	3 Watt	5 Watt	10 Watt
300	41J300	42J300	43J300	45J300	40J300
330		42J330	43J330	45J330	40J330
350			43J350	45J350	
390	41J390	42J390	43J390	45J390	40J390
400	41J400		43J400	45J400	40J400
470	41J470	42J470	43J470	45J470	
500		42J500	43J500	45J500	
560	41J560			45J560	40J560
600			43J600	45J600	40J600
680	41J680	42J680	43J680	45J680	
750	41J750		43J750	45J750	
800			43J800		
820	41J820	42J820	43J820	45J820	
900			43J900	45J900	
1,000	41J1K0	42J1K0	43J1K0	45J1K0	40J1K0
1,100		42J1K1		45J1K1	
1,200			43J1K2	45J1K2	40J1K2
1,500	41J1K5	42J1K5	43J1K5		40J1K5
1,800	41J1K8		43J1K8	45J1K8	
2,000			43J2K0	45J2K0	40J2K0
2,200			43J2K2	45J2K2	40J2K2
2,500	41J2K5		43J2K5	45J2K5	40J2K5
2,700			43J2K7	45J2K7	
3,000		42J3K0	43J3K0	45J3K0	40J3K0
3,500				45J3K5	
3,900			43J3K9	45J3K9	40J3K9
4,000				45J4K0	
4,500				45J4K5	
4,700				45J4K7	
5,000			43J5K0	45J5K0	40J5K0
6,000			43J6K0	45J6K0	
6,800			43J6K8	45J6K8	
7,500			43J7K5	45J7K5	40J7K5
8,000				45J8K0	
10,000			43J10K	45J10K	40J10K

Axial Lead Cabinet Resistor Assortment

Carbon Composition - Carbon Film

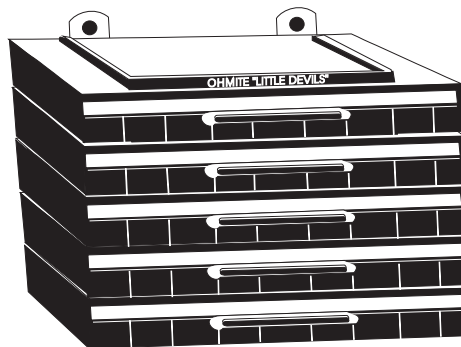
Popular resistance values.

Cabinets are stackable and interlock for better space utilization.

Each cabinet drawer clearly identifies contents.

"Mil" type resistors available.

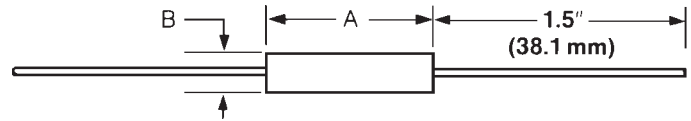
Resistors contained in the cabinets also available as stock items.



Resistor Series-Axial Lead	Power Rating Watts	Part Number	Tolerance	Quantity	Number of Values	No. of cab in assort	Resistance Range
Little Rebel							
Carbon Film	1/8	CAB-5F	5%	150	31	1	10Ω-22MΩ
Carbon Film	1/8	CAB-22F	5%	500	52	2	10Ω-22MΩ
Carbon Film	1/8	CAB-34F	5%	1000	104	3	10Ω-22MΩ
Carbon Film	1/4	CAB-6F	5%	150	36	1	1Ω-1MΩ
Carbon Film	1/4	CAB-23F	5%	100	75	2	1Ω-1MΩ
Carbon Film	1/4	CAB-43F	5%	1500	137	4	1Ω-1MΩ
Carbon Film	1/2	CAB-7F	5%	150	36	1	1Ω-1MΩ
Carbon Film	1/2	CAB-24F	5%	1000	75	2	1Ω-1MΩ
Carbon Film	1/2	CAB-44F	5%	1500	137	4	1Ω-1MΩ
Little Devil							
Carbon Composition	1/4	CAB-54	5%	124	40	1	10Ω-10MΩ
Carbon Composition	1/4	CAB-46	5%	1500	160	4	2.7Ω-22MΩ
Carbon Composition	1/2	CAB-510	5%	120	40	1	10Ω-10MΩ
Carbon Composition	1/2	CAB-47	5%	1500	160	4	2.7Ω-22MΩ
Carbon Composition	1	CAB-52	5%	100	40	1	10Ω-10MΩ
Carbon Composition	2	CAB-53	5%	100	40	1	10Ω-10MΩ

SERIES 20

Vitreous Enamel Conformal Axial Lead Wirewound Resistors 5% Tolerance



All-Welded construction. They offer the durability of a silicone-free conformal vitreous enamel coating and are ideal for computer, communications and industrial applications in which cost, quality and reliability are key considerations.

FEATURES

Rugged vitreous enamel coating withstands high humidity and temperature cycling.

Durable construction, recommended for industrial applications where reliability is paramount.

All-Welded construction.

Flame resistant vitreous enamel coating.

Power Rating Watts	Power Rating Watts	Body Dimensions		Leads Ga.
		Max. Lgth. -A mm	Max. Dia. -B mm	
1	.406	10.3	4.0	24
2	.406	10.3	5.6	20
3	.562	14.3	6.4	20
5	1.00	25.4	6.4	20
7	1.250	31.8	8.7	20
10	1.797	45.6	8.7	20

Ohms	Part Number					
	1 Watt	2 Watt	3 Watt	5 Watt	7 Watt	10 Watt
1	21J1R0	22J1R0	23J1R0	25J1R0	27J1R0	20J1R0
1.5	21J1R5	22J1R5	23J1R5	25J1R5	27J1R5	20J1R5
2	21J2R0	22J2R0	23J2R0	25J2R0		20J2R0
2.2	21J2R2	22J2R2	23J2R2	25J2R2		20J2R2
3	21J3R0	22J3R0	23J3R0	25J3R0	27J3R0	20J3R0
4	21J4R0		23J4R0	25J4R0		20J4R0
5	21J5R0	22J5R0	23J5R0	25J5R0		20J5R0
7.5	21J7R5	22J7R5	23J7R5	25J7R5		20J7R5
10	21J10R	22J10R	23J10R	25J10R		20J10R
12			23J12R	25J12R		20J12R
15	21J15R		23J15R		27J15R	20J15R
18	21J18R		23J18R	25J18R		20J18R
20	21J20R	22J20R	23J20R	25J20R		20J20R
22	21J22R	22J22R	23J22R	25J22R		20J22R
25		22J25R	23J25R	25J25R		20J25R
27	21J27R	22J27R	23J27R	25J27R		
30	21J30R	22J30R	23J30R	25J30R		20J30R
33	21J33R	22J33R	23J33R	25J33R	27J33R	20J33R
35				25J35R		
39	21J39R	22J39R	23J39R			20J39R
40	21J40R		23J40R	25J40R		20J40R
47	21J47R	22J47R	23J47R	25J47R		20J47R
50	21J50R	22J50R	23J50R	25J50R	27J50R	20J50R
56		22J56R	23J56R	25J56R		
62			23J62R	25J62R		20J62R
68	21J68R	22J68R	23J68R	25J68R		20J68R
75	21J75R	22J75R	23J75R	25J75R		20J75R
82	21J82R	22J82R	23J82R	25J82R		20J82R
100	21J100		23J100	25J100	27J100	20J100
120	21J120	22J120	23J120	25J120		20J120
125			23J125	25J125	27J125	20J125
150	21J150	22J150	23J150	25J150		20J150
180	21J180	22J180	23J180	25J180		20J180
200	21J200	22J200	23J200	25J200	27J200	20J200
220	21J220	22J220	23J220	25J220		20J220
250	21J250	22J250	23J250	25J250		20J250
270	21J270	22J270	23J270	25J270		
300	21J300	22J300	23J300	25J300		20J300
330	21J330	22J330	23J330	25J330		20J330
350		22J350		25J350		20J350
390	21J390		23J390			
400			23J400	25J400		20J400
450				25J450		20J450
470	21J470	22J470	23J470	25J470		20J470
500	21J500	22J500	23J500	25J500	27J500	20J500

Ohms	Part Number					
	1 Watt	2 Watt	3 Watt	5 Watt	7 Watt	10 Watt
560	21J560	22J560	23J560	25J560		
600	21J600	22J600	23J600	25J600		20J600
680	21J680		23J680	25J680		20J680
750	21J750	22J750	23J750	25J750		20J750
800	21J800		23J800	25J800		
820	21J820	22J820	23J820	25J820		20J820
900		22J900	23J900	25J900		
1,000	21J1K0	22J1K0	23J1K0	25J1K0	27J1K0	20J1K0
1,100			23J1K1	25J1K1		20J1K1
1,200	21J1K2	22J1K2	23J1K2	25J1K2		20J1K2
1,500	21J1K5	22J1K5	23J1K5	25J1K5		20J1K5
1,800	21J1K8	22J1K8	23J1K8			
2,000		22J2K0	23J2K0	25J2K0		20J2K0
2,200	21J2K2	22J2K2	23J2K2	25J2K2		20J2K2
2,500	21J2K5	22J2K5	23J2K5	25J2K5		20J2K5
2,700	21J2K7	22J2K7	23J2K7			20J2K7
3,000	21J3K0	22J3K0	23J3K0	25J3K0		20J3K0
3,300			23J3K3	25J3K3		
3,500				25J3K5		
3,900			23J3K9	25J3K9		20J3K9
4,000			23J4K0	25J4K0		20J4K0
4,500				25J4K5		
4,700			23J4K7	25J4K7		20J4K7
5,000			23J5K0	25J5K0	27J5K0	20J5K0
6,000			23J6K0	25J6K0	27J6K0	20J6K0
6,800			23J6K8	25J6K8		
7,000			23J7K0	25J7K0		
7,500			23J7K5	25J7K5		20J7K5
8,000			23J8K0	25J8K0		20J8K0
9,000			23J9K0			
10,000			23J10K	25J10K		20J10K
12,000				25J12K		20J12K
13,000				25J13K		20J13K
15,000				25J15K		20J15K
20,000				25J20K	27J20K	20J20K
22,000				25J22K		
25,000				25J25K		20J25K
30,000						20J30K
40,000						20J40K
50,000						20J50K