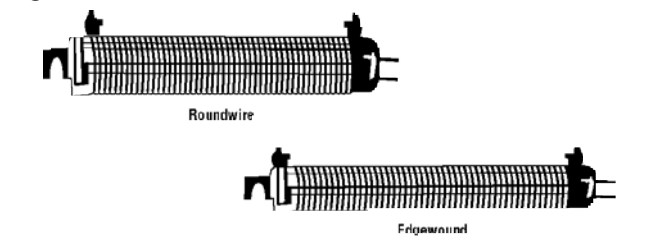


Visit Ohmite's Website at www.ohmite.com

Edgewound/Round Wire Power Resistors



Powr-Ribs™ are designed to handle 700-1000 watts of power. Their construction consists of thick, heavy resistance alloy wound around porcelain ceramic core insulators supported by a metal mounting bar. The bar is slotted on each end to facilitate installation. Edgewound Powr-Ribs™ provide low resistance at high current ratings, while Round Wire Powr-Ribs™ provide higher resistance at lower current ratings. Clamp-type terminals on the Edgewound units permit a reliable connection which can be moved along the resistive element to obtain intermediate values. **Tolerance:** ±10%. **Average Weight:** 3 lbs. 16.25" long between mounting centers.

Edgewound

Stock No.	Mfr.'s Type	Ohms	Max. Amps	Dia. (In.)	Overall Height	EACH		
						1-9	10-24	25-49
296-4015	PFE5KR100	0.10	100.0	2.125	3.313	179.74	173.94	168.51
296-4017	PFE5KR250	0.25	63.0	1.875	3.125	133.32	126.97	123.06
296-4025	PFE5KR500	0.50	47.0	1.875	3.125	132.37	127.37	123.51
296-4030	PFE5KR750	0.75	39.0	1.875	3.125	119.63	113.94	110.43
296-4035	PFE5K1R00	1.00	33.0	1.875	3.125	97.00	92.38	89.54
296-4040	PFE5K1R30	1.30	29.0	1.875	2.563	81.67	77.78	75.38
296-4045	PFE5K1R60	1.60	26.0	1.875	2.563	82.14	78.24	75.83
296-4050	PFE5K2R20	2.20	18.4	1.750	2.500	79.75	77.17	74.76
296-4055	PFE5K2R80	2.80	16.3	1.750	2.500	70.95	67.57	65.49
296-4060	PFE5K3R50	3.50	14.6	1.625	2.438	63.82	61.76	59.83
296-4065	PFE5K4R50	4.50	12.7	1.750	2.500	104.95	99.95	96.88
296-4070	PFE5K5R40	5.40	11.8	1.750	2.500	103.33	98.41	95.38
296-4075	PFE5K6R80	6.80	10.3	1.625	2.438	100.00	95.24	92.31

Roundwire

296-4086	PFR5K13R0	13.00	7.6	2.063	2.625	128.84	124.69	120.79
296-4088	PFR5K20R0	20.00	5.9	2.063	2.625	122.75	116.90	113.31

Fixed/Adjustable Vitreous Enamel High Power Corrib Resistors

Corrib resistors are ideal for applications involving high currents at very low resistance values – as low as 0.1 ohm at 300 watts. These large, heavy-duty resistors are designed to withstand frequent start-stop cycles characteristic of motor starting, dynamic braking, and other similar applications. They are manufactured with corrugated resistive wire. Ribbed construction aids in rapid cooling. To accelerate cooling, the wire is securely fused to the ceramic core by a protective vitreous enamel coating to improve durability. Corrib resistors are hollow-core units which can be securely fastened to chassis surfaces with the same thru bolts and brackets used with the 210/270 series resistors. **Tolerance:** ±10%. **Core Diameter:** 8.5" long × 1.125". **Overall Height:** 1.895".



Fixed 300 Watts

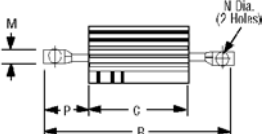
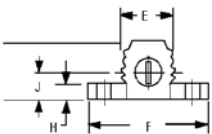
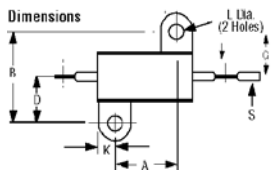
Stock No.	Mfr.'s Type	Ohms	Max. Amps	EACH		
				1-9	10-24	25-49
296-1955	C300KR10	0.10	54.7	35.15	33.48	32.45
296-1965	C300KR31	0.31	31.1	31.67	30.15	29.23
296-1970	C300KR50	0.50	24.5	23.47	22.35	21.66
296-1973	C300K1R0	1.00	17.3	24.82	23.63	22.91
296-1975	C300K1R2	1.20	15.8	24.82	23.64	22.91
296-1980	C300K1R6	1.60	13.7	23.87	22.73	22.03
296-1985	C300K2R0	2.00	12.2	20.83	19.84	19.24
296-1990	C300K3R1	3.10	9.8	19.41	18.49	17.93
296-1995	C300K4R0	4.00	8.6	23.38	21.93	21.27
296-1997	C300K5R0	5.00	7.7	18.55	17.67	17.12
296-2000	C300K6R3	6.30	6.9	22.36	21.63	20.96
296-2005	C300K8R0	8.00	6.1	18.55	17.67	17.12
296-2010	C300K10R	10.00	5.5	16.25	15.54	15.07
296-2015	C300K12R	12.00	5.0	21.14	20.13	19.50
296-2020	C300K16R	16.00	4.3	18.22	17.64	17.09
296-2025	C300K20R	20.00	3.8	17.87	17.01	16.50
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Adjustable 300 Watts

Stock No.	Mfr.'s Type	Ohms	Max. Amps	EACH		
				1-9	10-24	25-49
296-2445	E300KR10	0.10	54.7	38.04	36.22	35.10
296-2450	E300KR16	0.16	43.3	32.26	30.84	29.90
296-2455	E300KR20	0.20	38.7	34.58	33.46	32.42
296-2460	E300KR25	0.25	34.6	33.90	32.29	31.29
296-2465	E300KR31	0.31	31.1	35.63	34.48	33.41
296-2470	E300KR50	0.50	24.5	25.43	24.61	23.84
296-2475	E300K1R0	1.00	17.3	23.15	22.41	21.71
296-2477	E300K1R6	1.60	13.7	28.83	27.46	26.62
296-2478	E300K2R0	2.00	12.2	24.78	23.60	22.88
296-2480	E300K3R1	3.10	9.8	26.85	25.57	24.78
296-2485	E300K4R0	4.00	8.6	26.85	25.57	24.78
296-2490	E300K5R0	5.00	7.7	23.85	22.71	22.02
296-2495	E300K6R3	6.30	6.9	26.67	25.39	24.62
296-2500	E300K8R0	8.00	6.1	25.85	24.62	23.86
296-2505	E300K10R	10.00	5.5	23.15	22.05	21.37
296-2510	E300K12R	12.00	5.0	25.08	23.89	23.15
296-2515	E300K16R	16.00	4.3	25.08	23.89	23.15
296-2520	E300K20R	20.00	3.8	20.83	19.85	19.23

11

Metal-Mite Aluminum Housed Axial Lead Wirewound Resistors



These molded-construction metal housed axial-lead performance resistors are available in higher power ratings than standard axial-lead resistors and are better suited to withstand shock, vibration and harsh environmental conditions. Metal-Mite resistors are aluminum housed to maintain high stability during operation and to permit secure mounting to chassis surfaces. The metal housing also provides heat-sinking capabilities, allowing the units to exceed the power ratings set by Mil specifications. Meets

or exceeds MIL-R-18546 specifications. Solder coated axial lead terminals. **Tolerance:** ±1%. Power rating based on chassis mounting area and temperature stability. Proper heat sink for wattage is: 4" × 6" × 2" × .040" aluminum chassis for 5 and 10 watt units; 5" × 7" × 2" × .040" aluminum chassis for 25 watt units; 12" × 12" × .059" aluminum panel for 50 watt units.

Stock No.	Mfr.'s Type	Watts	Ohms	EACH		
				1-9	10-24	25-49
296-1026	805F25R	5	25	3.33	3.17	3.08
296-1027	805F50R	5	50	3.79	3.73	3.62
296-1028	805F100	5	100	3.67	3.49	3.38
296-1030	805F300	5	300	3.67	3.49	3.38
296-1038	805F25K	5	25K	6.25	5.96	5.77
296-1045	810F5R0	10	5	3.62	3.45	3.34
296-1050	810F10R	10	10	3.62	3.46	3.35
296-1065	825FR10	25	0.1	6.00	5.70	5.54
296-1070	825FR10	25	1	4.53	4.32	4.18

Stock No.	Mfr.'s Type	Watts	Ohms	EACH		
				1-9	10-24	25-49
296-1075	825F2R0	25	2	4.53	4.32	4.18
296-1080	825F3R0	25	3	4.53	4.32	4.18
296-1085	825F5R0	25	5	4.53	4.32	4.18
296-1090	825F10R	25	10	4.53	4.32	4.18
296-1096	825F25R	25	25	4.76	4.61	4.46
296-1105	825F250	25	250	4.67	4.44	4.31
296-1124	850FR10	50	0.1	6.37	6.06	5.88
296-1125	850FR10	50	1	5.22	4.97	4.82
296-1130	850FR2R0	50	2	5.49	5.31	5.15

Stock No.	Mfr.'s Type	Watts	Ohms	EACH		
				1-9	10-24	25-49
296-1135	850F3R0	50	3	5.22	4.97	4.82
296-1140	850F10R	50	10	5.49	5.31	5.15
296-1145	850F15R	50	15	5.49	5.31	5.15
296-1150	850F25R	50	25	5.22	4.97	4.82
296-1155	850F50R	50	50	5.49	5.31	5.15
296-1160	850F75R	50	75	5.80	5.52	5.35
296-1170	850F150	50	150	5.81	5.54	5.37
296-1175	850F500	50	500	5.22	4.97	4.82
296-1176	850F1K0	50	1.0K	6.21	6.00	5.82

Dimensions (Inches)

Power Rating	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
	±.005	±.005	±.031	±.0025	±.015	±.015	±.015	±.010	±.015	±.010	±.005	Min.	±.005	±.062	±.062	Min. AWG
Watts																
5	.444	.490	.600	.245	.334	.646	.320	.060	.126	.078	.093	.085	.050	.266	1.125	16
10	.562	.625	.750	.312	.420	.800	.390	.075	.183	.093	.093	.140	.086	.312	1.375	12
25	.719	.781	1.062	.391	.550	1.080	.546	.088	.231	.172	.125	.140	.086	.438	1.938	12
50	1.563	.844	1.968	.422	.630	1.140	.610	.088	.260	.196	.125	.140	.086	.438	2.781	12

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