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200 Series Vitreous Enamel Wirewound Power Resistor

These resistors have a rugged, fire resistant vitreous enamel coating to ensure successful performance under high temperatures. Small, exceptionally durable power resistors use all-welded construction and have a self supporting lead mounting option. **Tolerance:** ±5%. Power rating based on 25°C free air. Can be mounted using mounting hardware for 210/270 series resistors or by using attached leads.

5 1/4 Watt

Length: .625. OD: .250. ID: .135.

Stock No.	Mfr.'s Type	Ohms	EACH			
			1-9	10-24	25-49	50-99
296-1366	B5J1R0	1	2.55	2.43	2.35	2.19
296-1367	B5J2R0	2	2.75	2.62	2.54	2.36
296-1368	B5J5R1	5.1	2.77	2.64	2.56	2.38
296-1394	B5J10K	10K	2.76	2.64	2.56	2.37

8 Watt

Length: 1.000. OD: .313. ID: .188.

296-1405	B8J10R	10	2.29	2.17	2.11	1.96
296-1410	B8J25R	25	2.22	2.11	2.05	1.90
296-1412	B8J50R	50	2.26	2.15	2.09	1.94
296-1430	B8J500	500	2.29	2.17	2.11	1.96
296-1435	B8J1K0	1K	2.50	2.39	2.31	2.14
296-1437	B8J2K0	2K	2.39	2.28	2.21	2.15
296-1440	B8J2K5	2.5K	2.43	2.35	2.28	2.21
296-1445	B8J3K0	3K	2.32	2.21	2.14	1.99
296-1447	B8J4K0	4K	2.43	2.35	2.28	2.21

12 Watt

Length: 1.750. OD: .313. ID: .188.

296-1480	B12KR50	0.5	3.03	2.90	2.81	2.73
296-1485	B12J1R0	1	2.99	2.90	2.80	2.72
296-1495	B12J5R0	5	2.85	2.71	2.63	2.44
296-1500	B12J10R	10	2.84	2.70	2.61	2.43
296-1510	B12J20R	20	2.65	2.57	2.49	2.41
296-1515	B12J25R	25	2.52	2.40	2.32	2.16
296-1520	B12J50R	50	2.65	2.57	2.49	2.41



12 Watt (continued)

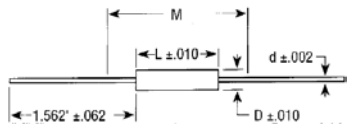
Stock No.	Mfr.'s Type	Ohms	EACH			
			1-9	10-24	25-49	50-99
296-1525	B12J100	100	2.65	2.57	2.49	2.41
296-1530	B12J500	500	2.65	2.57	2.49	2.41
296-1545	B12J2K0	2K	2.88	2.75	2.66	2.47
296-1550	B12J2K5	2.5K	2.80	2.67	2.58	2.40
296-1560	B12J4K0	4K	2.80	2.67	2.58	2.40
296-1565	B12J5K0	5K	2.95	2.81	2.72	2.53
296-1570	B12J10K	10K	3.28	3.18	3.08	2.98
296-1575	B12J15K	15K	3.00	2.86	2.77	2.57
296-1585	B12J50K	50K	3.93	3.75	3.63	3.37

20 Watt

Length: 2.000. OD: .438. ID: .250.

296-1590	B20KR50	0.5	4.03	3.90	3.78	3.66
296-1595	B20J1R0	1	3.23	3.08	2.98	2.77
296-1600	B20J2R0	2	3.23	3.08	2.98	2.77
296-1605	B20J3R0	3	3.38	3.27	3.17	3.08
296-1610	B20J5R0	5	3.38	3.22	3.08	2.98
296-1615	B20J10R	10	3.50	3.33	3.23	3.00
296-1620	B20J25R	25	3.23	3.08	2.98	2.77
296-1625	B20J50R	50	3.50	3.33	3.23	3.00
296-1630	B20J100	100	3.11	3.01	2.92	2.83
296-1650	B20J1K0	1K	2.95	2.81	2.72	2.53
296-1660	B20J2K0	2K	3.05	2.91	2.81	2.62
296-1670	B20J3K5	3.5K	3.23	3.08	2.98	2.77
296-1675	B20J5K0	5K	3.59	3.47	3.36	3.26
296-1680	B20J10K	10K	3.83	3.63	3.52	3.28
296-1685	B20J100K	100K	5.59	5.41	5.24	5.08

10 Series Molded Silicone Axial Lead Wire Element Resistors



These molded silicone resistors are ideal for current sensing applications. They have low inductance (non-inductive below 0.25 μ). Terminals are constructed of solder-plated copper leads or copper clad steel depending of ohm value with silicone molding encapsulation compound. **Tolerance:** 1%. Power rating based on 25°C free air. **Temperature Range:** 55°C to +275°C.

Dimensions

Power Rating	Dimensions			
	D ±.010	L ±.010	d ±.002	M
2 W	0.094	0.406	0.032	1.156
3 W	0.205	0.560	0.032	1.310
5 W	0.330	0.925	0.040	1.675

2 Watt

Stock No.	Mfr.'s Type	Ohms	EACH			
			1-9	10-24	10-24	10-24
296-5100	12FR005	0.005	1.50	1.43	1.38	1.29
296-5102	12FR010	0.010	1.50	1.43	1.38	1.29
296-5124	12FR100	0.100	1.63	1.56	1.51	1.40

3 Watt

296-5128	13FR010	0.010	1.40	1.33	1.29	1.20
296-5150	13FR100	0.100	1.48	1.41	1.37	1.27
296-5152	13FR150	0.150	1.48	1.41	1.37	1.27
296-5154	13FR200	0.200	1.48	1.41	1.37	1.27

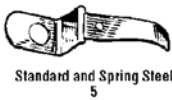
5 Watt

296-5156	15FR005	0.005	1.77	1.68	1.63	1.51
296-5158	15FR010	0.010	1.72	1.63	1.58	1.47
296-5160	15FR015	0.015	1.72	1.63	1.58	1.47
296-5166	15FR030	0.030	1.72	1.63	1.58	1.47
296-5170	15FR050	0.050	1.67	1.59	1.54	1.43
296-5186	15FR250	0.250	1.65	1.57	1.52	1.41
296-5188	15FR300	0.300	1.65	1.57	1.52	1.41

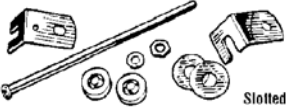
Hardware for Power Resistors



Standard and Spring Steel  
9, 12, 18



Standard and Spring Steel  
5



Slotted



Elongated

Brackets fit inside cores of 210 Type and 270 Type resistors and remain in place by spring tension. Standard brackets are plated steel. Thru bolt kits along with plated steel brackets, centering washers and insulating washers (included) allow for

Stock No.	Mfr.'s Type	Description	Res. Watts	EACH	
				1-9	10-24
296-0005	5-100	Standard Bracket	12	.33	.31
296-0010	5S-100	Spring Steel Bracket	12	.56	.54
296-0015	9-100	Standard Bracket	25, 50, 75	.28	.27
296-0020	9S-100	Spring Steel Bracket	25, 50, 75	.75	.71
296-0025	12-100	Standard Bracket	100	.51	.49
296-0030	12S-100	Spring Steel Bracket	100	.95	.90
296-0035	18-100	Standard Bracket	175, 225	.53	.51
296-0040	18S-100	Spring Steel Bracket	175, 225	.99	.94
296-1180	2121	Extra Adjustable Lug	25, 50, 75	1.17	1.11
296-1185	2125	Extra Adjustable Lug	100	1.06	1.01
296-1187	2133	Extra Adjustable Lug	175, 225	1.26	1.20
296-0050	7PA25	2.75" Thru-Bolt	25	3.52	3.35
296-0055	7PA50	4.75" Thru-Bolt	50	3.90	3.71
296-0060	7PA100	7.31" Thru-Bolt	100	4.75	4.52

secure perpendicular mounting of these resistors to panels up to 1/4" thick.

Stock No.	Mfr.'s Type	Description	Res. Watts	EACH	
				1-9	10-24
296-0065	7PA160	9.5" Thru-Bolt	175	6.46	6.25
296-0070	7PA200	11.5" Thru-Bolt	225	7.84	6.66
296-1260	6000	Metal Center Washer	25, 50, 75	.24	.22
296-1265	6001	Metal Center Washer	100	.25	.22
296-1270	6003	Metal Center Washer	175, 225	.33	.29
296-1275	6011	Mica Insulated Washer	25, 50, 75	.16	.15
296-1278	6013	Mica Insulated Washer	100	.34	.29
296-1278	6017	Mica Insulated Washer	175, 225	.50	.48
296-1280	6110-8 1/2	Slot Mtg. Bracket Kit	One 175 W	6.70	6.38
296-1285	6126-P-8 1/2	Elongated Bracket Kit	One 175 W	8.02	7.63
296-1290	6127-P-8 1/2	Elongated Bracket Kit	Two 175 W	10.97	10.45
296-1295	6128-P-8 1/2	Elongated Bracket Kit	Three 175 W	16.21	15.42
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