

VISHAY BC COMPONENTS Power Resistors

PR01/PR02/PR03 SERIES POWER METAL FILM RESISTORS

Features:

- High power in small packages
- Defined interruption behavior
- Non flammable

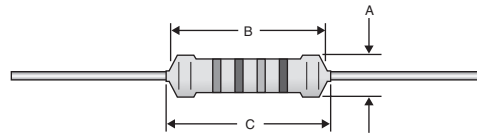
Specifications:

- Resistance tolerance: $\pm 5\%$
- Operating temperature: -55°C to $+155^{\circ}\text{C}$
- Temperature coefficient: $\pm 250\text{ppm}$

Applications:

- Telecommunication
- Consumer
- White goods
- Industrial electronics
- Switch mode power supplies
- Line protection
- All general purpose power applications

For quantities greater than listed, call for quote.



Reel Qty.	Type	Power Rating	MOUSER STOCK NO.	Value *	Price Each						
					1	100	500	1000	5000	10000	25000
5000	PR01	1W	594-5073NW	Code .16	.08	.056	.04	.022	.021	.021	
5000	PR02	2W	594-5083NW	Code .32	.16	.09	.07	.043	.042	.042	
500	PR03	3W	594-5093NW	Code .46	.29	.117	.106	.099	.097	.096	

DIMENSIONS: mm (in.)			
Type	ϕ A Max.	B Max.	C Max.
PR01	2.5 (0.1)	6.5 (0.26)	8.5 (0.33)
PR02	3.9 (0.15)	10.0 (0.39)	12.0 (0.47)
PR03	5.2 (0.2)	16.7 (0.66)	19.5 (0.77)

*Insert Value Code from Table of Stocked Values.

TABLE OF STOCKED VALUES

Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating							
		1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W					
1	1R000J	X	X		16	16R00J	X	X	X	270	270R0J	X	X	X	4.3K	4K300J	X	X	X	68K	68K00J	X	X	X
1.1	1R100J	X	X		18	18R00J	X	X	X	300	300R0J	X	X	X	4.7K	4K700J	X	X	X	75K	75K00J	X	X	X
1.2	1R200J	X	X		20	20R00J	X	X	X	330	330R0J	X	X	X	5.1K	5K100J	X	X	X	82K	82K00J	X	X	X
1.3	1R300J	X	X		22	22R00J	X	X	X	360	360R0J	X	X	X	5.6K	5K600J	X	X	X	91K	91K00J	X	X	X
1.5	1R500J	X	X		24	24R00J	X	X	X	390	390R0J	X	X	X	6.2K	6K200J	X	X	X	100K	100K0J	X	X	X
1.6	1R600J	X	X		27	27R00J	X	X	X	430	430R0J	X	X	X	6.8K	6K800J	X	X	X	110K	110K0J	X	X	X
1.8	1R800J	X	X		30	30R00J	X	X	X	470	470R0J	X	X	X	7.5K	7K500J	X	X	X	120K	120K0J	X	X	X
2	2R000J	X	X		33	33R00J	X	X	X	510	510R0J	X	X	X	8.2K	8K200J	X	X	X	130K	130K0J	X	X	X
2.2	2R200J	X	X		36	36R00J	X	X	X	560	560R0J	X	X	X	9.1K	9K100J	X	X	X	150K	150K0J	X	X	X
2.4	2R400J	X	X		39	39R00J	X	X	X	620	620R0J	X	X	X	10K	10K00J	X	X	X	160K	160K0J	X	X	X
2.7	2R700J	X	X		43	43R00J	X	X	X	680	680R0J	X	X	X	11K	11K00J	X	X	X	180K	180K0J	X	X	X
3	3R000J	X	X		47	47R00J	X	X	X	750	750R0J	X	X	X	12K	12K00J	X	X	X	200K	200K0J	X	X	X
3.3	3R300J	X	X		51	51R00J	X	X	X	820	820R0J	X	X	X	13K	13K00J	X	X	X	220K	220K0J	X	X	X
3.6	3R600J	X	X		56	56R00J	X	X	X	910	910R0J	X	X	X	15K	15K00J	X	X	X	240K	240K0J	X	X	X
3.9	3R900J	X	X		62	62R00J	X	X	X	1K	1K000J	X	X	X	16K	16K00J	X	X	X	270K	270K0J	X	X	X
4.3	4R300J	X	X		68	68R00J	X	X	X	1.1K	1K100J	X	X	X	18K	18K00J	X	X	X	300K	300K0J	X	X	X
4.7	4R700J	X	X		75	75R00J	X	X	X	1.2K	1K200J	X	X	X	20K	20K00J	X	X	X	330K	330K0J	X	X	X
5.1	5R100J	X	X		82	82R00J	X	X	X	1.3K	1K300J	X	X	X	22K	22K00J	X	X	X	360K	360K0J	X	X	X
5.6	5R600J	X	X		91	91R00J	X	X	X	1.5K	1K500J	X	X	X	24K	24K00J	X	X	X	390K	390K0J	X	X	X
6.2	6R200J	X	X		100	100R0J	X	X	X	1.6K	1K600J	X	X	X	27K	27K00J	X	X	X	430K	430K0J	X	X	X
6.8	6R800J	X	X		110	110R0J	X	X	X	1.8K	1K800J	X	X	X	30K	30K00J	X	X	X	470K	470K0J	X	X	X
7.5	7R500J	X	X		120	120R0J	X	X	X	2K	2K000J	X	X	X	33K	33K00J	X	X	X	510K	510K0J	X	X	X
8.2	8R200J	X	X		130	130R0J	X	X	X	2.2K	2K200J	X	X	X	36K	36K00J	X	X	X	560K	560K0J	X	X	X
9.1	9R100J	X	X		150	150R0J	X	X	X	2.4K	2K400J	X	X	X	39K	39K00J	X	X	X	620K	620K0J	X	X	X
10	10R00J	X	X	X	160	160R0J	X	X	X	2.7K	2K700J	X	X	X	43K	43K00J	X	X	X	680K	680K0J	X	X	X
11	11R00J	X	X	X	180	180R0J	X	X	X	3K	3K000J	X	X	X	47K	47K00J	X	X	X	750K	750K0J	X	X	X
12	12R00J	X	X	X	200	200R0J	X	X	X	3.3K	3K300J	X	X	X	51K	51K00J	X	X	X	820K	820K0J	X	X	X
13	13R00J	X	X	X	220	220R0J	X	X	X	3.6K	3K600J	X	X	X	56K	56K00J	X	X	X	910K	910K0J	X	X	X
15	15R00J	X	X	X	240	240R0J	X	X	X	3.9K	3K900J	X	X	X	62K	62K00J	X	X	X	1M	1M000J	X	X	X

AC01/AC03/AC05 SERIES CEMENT COATED WIREWOUND RESISTORS

Features:

- All welded construction
- Ceramic core
- High power dissipation in small volume

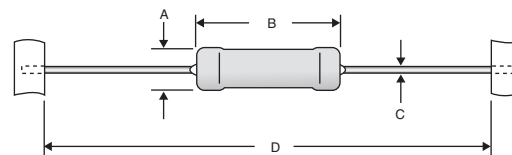
Specifications:

- High pulse load handling capabilities
- Non-flammable cement coating
- Tinned copper-clad iron leads
- Resistance tolerance: $\pm 5\%$

For quantities greater than listed, call for quote.

Reel Qty.	Type	MOUSER STOCK NO.	Value *	Range of Values (Ω)	Price Each						
					1	50	100	500	1000	2000	5000
1000	1W	594-AC01W	Code	0.1-0.75	.43	.40	.29	.22	.20	.18	.163
1000	1W	594-AC01W	Code	1.0-10	.43	.40	.29	.22	.20	.18	.163
1000	1W	594-AC01W	Code	12-2.4K	.41	.34	.29	.22	.16	.145	.14
500	3W	594-AC03W	Code	0.1-0.75	.51	.43	.35	.30	.28	.27	.25
500	3W	594-AC03W	Code	1.0-20	.40	.34	.28	.17	.163	.155	.15
500	3W	594-AC03W	Code	22-5K	.40	.34	.28	.17	.163	.155	.15
500	5W	594-AC05W	Code	0.1-0.75	.55	.46	.38	.255	.23	.21	.207
500	5W	594-AC05W	Code	1.0-39	.46	.39	.32	.20	.19	.181	.175
500	5W	594-AC05W	Code	43-1K	.46	.39	.32	.20	.19	.181	.175
500	5W	594-AC05W	Code	1.1K-10K	.46	.39	.32	.27	.26	.24	.22

*Insert Value Code from Table of Stocked Values.



DIMENSIONS: mm (in.)				
Type	A Max.	B Max.	C	D Min.
AC01	4.3 (0.169)	11 (0.433)	0.8 \pm 0.03	63 (2.480)
AC03	4.8 (0.189)	13 (0.512)	0.031 \pm 0.001	63 (2.480)
AC05	7.5 (0.295)	18 (0.709)		63 (2.480)

TABLE OF STOCKED VALUES

Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating							
		1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W					
0.1	0R100J	x	x	x	7.5	7R500J	x	x	x	56	56R00J	x	x	x	430	430R0J	x	x	x	2.4K	2K400J	x	x	x
0.13	0R130J	x	x	x	10	10R00J	x	x	x	68	68R00J	x	x	x	470	470R0J	x	x	x	2.7K	2K700J	x	x	x
0.15	0R150J	x	x	x	12	12R00J	x	x	x	75	75R00J	x	x	x	500	500R0J	x	x	x	3K	3K000J	x	x	x
0.2	0R200J	x	x	x	15	15R00J	x	x	x	82	82R00J	x	x	x	560	560R0J	x	x	x	3.3K	3K300J	x	x	x
0.24	0R240J	x	x	x	18	18R00J	x	x	x	100	100R0J	x	x	x	620	620R0J	x	x	x	3.6K	3K600J	x	x	x
0.3	0R300J	x	x	x	20	20R00J	x	x	x	120	120R0J	x	x	x	680	680R0J	x	x	x	3.9K	3K900J	x	x	x
0.33	0R330J	x	x	x	22	22R00J	x	x	x	150	150R0J	x	x	x	750	750R0J	x	x	x	4.3K	4K300J	x	x	x
0.47	0R470J	x	x	x	24	24R00J	x	x	x	180	180R0J	x	x	x	820	820R0J	x	x	x	4.7K	4K700J	x	x	x
0.5	0R500J	x	x	x	27	27R00J	x	x	x	200	200R0J	x	x	x	910	910R0J	x	x	x	5K	5K000J	x	x	x
0.75	0R750J	x	x	x	30	30R00J	x	x	x	220	220R0J	x	x	x	1K	1K000J	x	x	x	5.6K	5K600J	x	x	x
1	1R000J	x	x	x	33	33R00J	x	x	x	240	240R0J	x	x	x	1.1K	1K100J	x	x	x	6.2K	6K200J	x	x	x
1.5	1R500J	x	x	x	36	36R00J	x	x	x	270	270R0J	x	x	x	1.2K	1K200J	x	x	x	6.8K	6K800J	x	x	x
2	2R000J	x	x	x	39	39R00J	x	x	x	300	300R0J	x	x	x	1.5K	1K500J	x	x	x	7.5K	7K500J	x	x	x
3	3R000J	x	x	x	43	43R00J	x	x	x	330	330R0J	x	x	x	1.8K	1K800J	x	x	x	8.2K	8K200J	x	x	x
3.9	3R900J	x	x	x	47	47R00J	x	x	x	360	360R0J	x	x	x	2K	2K000J	x	x	x	9.1K	9K100J	x	x	x
4.7	4R700J	x	x	x	50	50R00J	x	x	x	390	390R0J	x	x	x	2.2K	2K200J	x	x	x	10K	10K00J	x	x	x
5	5R000																							