

# VISHAY BC COMPONENTS Power Resistors



## PR01/PR02/PR03 SERIES POWER METAL FILM RESISTORS

### Features:

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

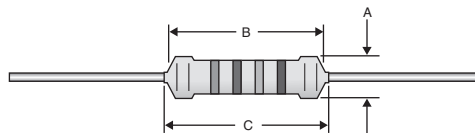
### Specifications:

- Resistance tolerance: ±5%
- Operating temperature: -55°C to +155°C
- Temperature coefficient: ±250ppm

### Applications:

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

For quantities of 50000 and up, call for quote.



Reel Qty.	Type	Power Rating	MOUSER STOCK NO.		Price Each									
			Value *	Code	1	100	500	1000	5000	10000	25000			
5000	PR01	1W	594-5073NW	Code	.16	.08	.07	.06	.10	.045	.035			
5000	PR02	2W	594-5083NW	Code	.32	.18	.14	.12	.15	.09	.07			
500	PR03	3W	594-5093NW	Code	.46	.29	.21	.19	.16	.14	.12			

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

## AC01/AC03/AC05 SERIES CEMENT COATED WIREWOUND RESISTORS

### Features:

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

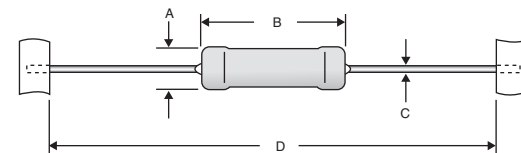
### Specifications:

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

For quantities of 10000 and up, call for quote.

Reel Qty.	Type	MOUSER STOCK NO.		Range of Values (Ω)	Price Each									
		Value *	Code		1	50	100	500	1000	2000	5000			
1000	1W	594-AC01W	Code	0.1-0.75	.48	.40	.34	.32	.26	.24	.23			
1000	1W	594-AC01W	Code	1.0-10	.37	.31	.26	.25	.21	.19	.18			
1000	1W	594-AC01W	Code	12-2.4K	.41	.34	.29	.28	.23	.21	.20			
500	3W	594-AC03W	Code	0.1-0.75	.51	.43	.35	.30	.28	.27	.24			
500	3W	594-AC03W	Code	1.0-20	.40	.34	.28	.23	.22	.21	.19			
500	3W	594-AC03W	Code	22-5K	.40	.34	.28	.23	.22	.21	.19			
500	5W	594-AC05W	Code	0.1-0.75	.55	.46	.38	.32	.30	.29	.26			
500	5W	594-AC05W	Code	1.0-39	.52	.43	.36	.35	.28	.26	.25			
500	5W	594-AC05W	Code	43-1K	.51	.42	.36	.34	.28	.25	.24			
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)		63 (2.480)
AC03	4.8 (0.189)	13 (0.512)	0.8±0.03 (0.031±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
0.13	0R130J	x	x	x	10	10R00J	x	x	x	68	68R00J	x	x	x	470	470R0J	x	x	x
0.15	0R150J	x	x	x	12	12R00J	x	x	x	75	75R00J	x	x	x	500	500R0J	x	x	x
0.2	0R200J	x	x	x	15	15R00J	x	x	x	82	82R00J	x	x	x	560	560R0J	x	x	x
0.24	0R240J	x	x	x	18	18R00J	x	x	x	100	100R0J	x	x	x	620	620R0J	x	x	x
0.3	0R300J	x	x	x	20	20R00J	x	x	x	120	120R0J	x	x	x	680	680R0J	x	x	x
0.33	0R330J	x	x	x	22	22R00J	x	x	x	150	150R0J	x	x	x	750	750R0J	x	x	x
0.47	0R470J	x	x	x	24	24R00J	x	x	x	180	180R0J	x	x	x	820	820R0J	x	x	x
0.5	0R500J	x	x	x	27	27R00J	x	x	x	200	200R0J	x	x	x	910	910R0J	x	x	x
0.75	0R750J	x	x	x	30	30R00J	x	x	x	220	220R0J	x	x	x	1K	1K000J	x	x	x
1	1R000J	x	x	x	33	33R00J	x	x	x	240	240R0J	x	x	x	1.1K	1K100J	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
2	2R000J	x	x	x	39	39R00J	x	x	x	300	300R0J	x	x	x	1.5K	1K500J	x	x	x
3	3R000J	x	x	x	43	43R00J	x	x	x	330	330R0J	x	x	x	1.8K	1K800J	x	x	x
3.9	3R900J	x	x	x	47	47R00J	x	x	x	360	360R0J	x	x	x	2K	2K000J	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

