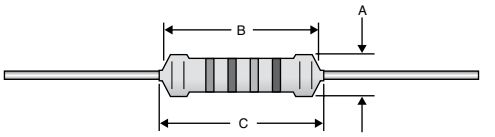
VISHAY BC COMPONENTS Power Resistors

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 ✻	1	100	500	1000	5000	10000	25000
5000	PR01	1W	594-5073NW	Code							
5000	PR02	2W	594-5083NW	Code							
500	PR03	3W	594-5093NW	Code							

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.

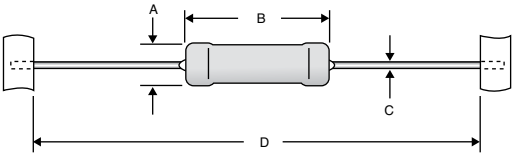
TABLE OF STOCKED VALUES

Value (Ω)	Value Code ✻	Power Rating 1W	2W	3W	Value (Ω)	Value Code ✻	Power Rating 1W	2W	3W	Value (Ω)	Value Code ✻	Power Rating 1W	2W	3W	Value (Ω)	Value Code ✻	Power Rating 1W	2W	3W	Value (Ω)	Value Code ✻	Power Rating 1W	2W	3W
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
- High pulse load handling capabilities
- Non-flammable cement coating
- Tinned copper-clad iron leads

Specifications:
- 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 ✻		1	50	100	500	1000	2000	5000
1000	1W	594-AC01W	Code	0.1-0.75							
1000	1W	594-AC01W	Code	1.0-10							
1000	1W	594-AC01W	Code	12-2.4K							
500	3W	594-AC03W	Code	0.1-0.75							
500	3W	594-AC03W	Code	1.0-20							
500	3W	594-AC03W	Code	22-5K							
500	5W	594-AC05W	Code	0.1-0.75							
500	5W	594-AC05W	Code	1.0-39							
500	5W	594-AC05W	Code	43-1K							
500	5W	594-AC05W	Code	1.1K-10K							

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

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TABLE OF STOCKED VALUES

Value (Ω)	Value Code ✻	Power Rating 1W	3W	5W	Value (Ω)	Value Code ✻	Power Rating 1W	3W	5W	Value (Ω)	Value Code ✻	Power Rating 1W	3W	5W	Value (Ω)	Value Code ✻	Power Rating 1W	3W	5W	Value (Ω)	Value Code ✻	Power Rating 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
5	5R000J	x	x	x																				

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