

Power Rating	Max Operating Voltage	Tolerance	Width	Length	Depth
2W	300V	5%	4	6.7	3.55
3W	500V	5%	5.5	10.5	5
Test	Condition	SM (Wire)	SM (Metal Film)		
Temperature coefficient of resistance	-55°C to 200°C	±200ppm/°C	±100ppm/°C		
Short time overload	5 times of rated wattage for 5 sec.	±1%	±0.5%		
Rated load	Rated voltage for 30 minutes	±1%	±0.5%		
Insulation resistance	500V	10000MR			
Load Life	70°C on-off cycle 1,000hrs.	±2%	±1%		
Humidity Load Life	40°C - 95% RH on-off cycle 500hrs	±2%	±1%		

Stocked in the following OHMIC Values:

2W Wirewound	3W Wirewound	2W Metal Film	3W Metal Film
OR1 = 108-6262	OR1 = 108-6356	220R = 108-6306	330R = 108-6402
OR12 = 108-6263	OR12 = 108-6357	270R = 108-6307	390R = 108-6403
OR15 = 108-6264	OR15 = 108-6358	330R = 108-6308	470R = 108-6404
OR18 = 108-6265	OR18 = 108-6359	390R = 108-6309	560R = 108-6405
OR22 = 108-6266	OR22 = 108-6360	470R = 108-6310	680R = 108-6407
OR27 = 108-6267	OR27 = 108-6361	560R = 108-6311	820R = 108-6408
OR33 = 108-6268	OR33 = 108-6362	680R = 108-6312	1K = 108-6409
OR39 = 108-6269	OR39 = 108-6363	820R = 108-6313	1K2 = 108-6410
OR47 = 108-6270	OR47 = 108-6365	1K = 108-6314	1K5 = 108-6411
OR56 = 108-6271	OR56 = 108-6366	1K2 = 108-6316	1K8 = 108-6412
OR68 = 108-6272	OR68 = 108-6367	1K5 = 108-6317	2K2 = 108-6413
OR82 = 108-6274	OR82 = 108-6368	1K8 = 108-6318	2K7 = 108-6414
1R = 108-6275	1R = 108-6369	2K2 = 108-6319	3K3 = 108-6415
1R2 = 108-6276	1R2 = 108-6370	2K7 = 108-6320	3K9 = 108-6416
1R5 = 108-6277	1R5 = 108-6371	3K3 = 108-6321	4K7 = 108-6417
1R8 = 108-6278	1R8 = 108-6372	3K9 = 108-6322	5K6 = 108-6419
2R2 = 108-6279	2R2 = 108-6373	4K7 = 108-6323	6K8 = 108-6421
2R7 = 108-6280	2R7 = 108-6374	5K6 = 108-6324	8K2 = 108-6422
3R3 = 108-6281	3R3 = 108-6375	6K8 = 108-6325	10K = 108-6423
3R9 = 108-6282	3R9 = 108-6377	8K2 = 108-6326	12K = 108-6424
4R7 = 108-6283	4R7 = 108-6378	10K = 108-6328	15K = 108-6425
5R6 = 108-6284	5R6 = 108-6379	12K = 108-6329	18K = 108-6426
6R8 = 108-6286	6R8 = 108-6380	15K = 108-6330	22K = 108-6427
8R2 = 108-6287	8R2 = 108-6381	18K = 108-6331	27K = 108-6428
10R = 108-6288	10R = 108-6382	22K = 108-6332	33K = 108-6429
12R = 108-6289	12R = 108-6383	470K = 108-6350	39K = 108-6430
15R = 108-6290	15R = 108-6384	470K = 108-6350	47K = 108-6432
18R = 108-6291	18R = 108-6385	470K = 108-6350	56K = 108-6433
22R = 108-6292	22R = 108-6386	470K = 108-6350	68K = 108-6434
27R = 108-6293	27R = 108-6387	470K = 108-6350	82K = 108-6435
33R = 108-6294	33R = 108-6389	470K = 108-6350	100K = 108-6436
39R = 108-6295	39R = 108-6391	470K = 108-6350	120K = 108-6437
47R = 108-6296	47R = 108-6392	470K = 108-6350	150K = 108-6438
56R = 108-6298	56R = 108-6393	470K = 108-6350	180K = 108-6439
68R = 108-6299	68R = 108-6394	470K = 108-6350	220K = 108-6440
82R = 108-6300	82R = 108-6395	470K = 108-6350	270K = 108-6441
100R = 108-6301	100R = 108-6396	470K = 108-6350	330K = 108-6442
120R = 108-6302	120R = 108-6397	470K = 108-6350	390K = 108-6444
150R = 108-6304	150R = 108-6398	470K = 108-6350	470K = 108-6445
180R = 108-6305	180R = 108-6399	470K = 108-6350	560K = 108-6446
	220R = 108-6400	470K = 108-6350	680K = 108-6447
	270R = 108-6401	560K = 108-6351	820K = 108-6448
		680K = 108-6353	1M = 108-6449
		820K = 108-6354	
		1M = 108-6355	

423383

Order Code	Price Each				
	5+	50+	250+	500+	+
2W All Values ●	38.00	28.00	24.00	17.00	--
3W All Values ●	70.00	47.00	36.00	31.00	--

Metal Oxide

MO-S Series

1, 3 and 5 Watt



- Compact size for power rating
- MO1S and MO3S four band colour coded
- MO5S legend marked
- Flame retardant coating

	MO1S	MO3S	MO5S
Power rating @ 70°C	1W	3W	5W
Resistance tolerance	±5%	±5%	±5%
Temperature coefficient	±350ppm/°C	±350ppm/°C	±350ppm/°C

Stocked in the following OHMIC values:

MO1S 1 Watt				
10R = 120-1015	68R = 120-1020	470R = 120-1026	3K3 = 120-1031	22K = 120-1036
15R = 120-1016	100R = 120-1021	680R = 120-1027	4K7 = 120-1032	33K = 120-1038
22R = 120-1017	150R = 120-1022	1K = 120-1028	6K8 = 120-1033	47K = 120-1039
33R = 120-1018	220R = 120-1023	1K5 = 120-1029	10K = 120-1034	68K = 120-1040
47R = 120-1019	330R = 120-1024	2K2 = 120-1030	15K = 120-1035	100K = 120-1041
MO3S 3 Watt				
10R = 120-1042	68R = 120-1047	470R = 120-1054	3K3 = 120-1059	22K = 120-1065
15R = 120-1043	100R = 120-1048	680R = 120-1055	4K7 = 120-1060	33K = 120-1066
22R = 120-1044	150R = 120-1051	1K = 120-1056	6K8 = 120-1061	47K = 120-1067
33R = 120-1045	220R = 120-1052	1K5 = 120-1057	10K = 120-1063	68K = 120-1068
47R = 120-1046	330R = 120-1053	2K2 = 120-1058	15K = 120-1064	100K = 120-1069
MO5S 5 Watt				
10R = 120-1070	47R = 120-1075	220R = 120-1080	1K = 120-1084	4K7 = 120-1089
15R = 120-1071	68R = 120-1077	330R = 120-1081	1K5 = 120-1085	6K8 = 120-1090
22R = 120-1072	100R = 120-1078	470R = 120-1082	2K2 = 120-1087	10K = 120-1091
33R = 120-1073	150R = 120-1079	680R = 120-1083	3K3 = 120-1088	15K = 120-1093

22K = 120-1094 33K = 120-1095 47K = 120-1096 68K = 120-1097 100K = 120-1099

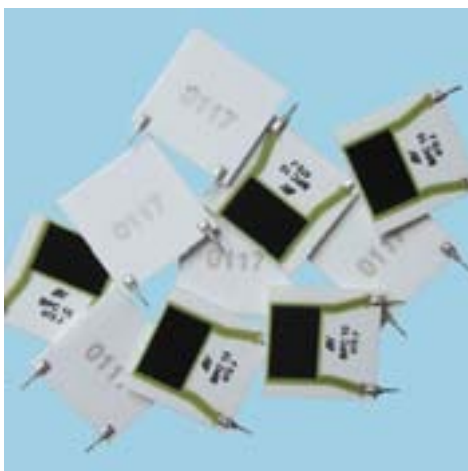
234808

Order Multiple=5	Price Each				
Order Code	5+	100+	500+	1K+	+
All Values ●	13.00	9.00	8.00	7.00	--
All Values ●	18.00	14.00	12.00	9.00	--
Values 10R to 100R ●	50.00	42.00	35.00	27.00	--
Values 150R to 47K ●	42.00	35.00	30.00	23.00	--
Values 68K to 100K ●	46.00	38.00	32.00	25.00	--

Thick Film Power

BPC Series

Thick Film - Power Resistor



NEW

- High power density
- Low temperature
- Power is dissipated above circuit board
- Applications includes UPS systems, Snubber circuits, Power supply preloads

Resistance Tolerance (min)	±10%	Temperature Coefficient	100ppm/°C to 100ppm/°C
Temperature range	-55°C to 125°C		

Resistance	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
1R	BPC31R0J	943-1969●	52.00	43.00	36.00	28.00
2R	BPC32R0J	943-1977●	52.00	43.00	36.00	28.00
5R	BPC35R0J	943-1985●	52.00	43.00	36.00	28.00
10R	BPC3100J	943-1993●	52.00	43.00	36.00	28.00
20R	BPC3200J	943-2000●	52.00	43.00	36.00	28.00
50R	BPC3500J	943-2019●	52.00	43.00	36.00	28.00
100R	BPC3101J	943-2027●	52.00	43.00	36.00	28.00
200R	BPC3201J	943-2035●	52.00	43.00	36.00	28.00
500R	BPC3501J	943-2043●	52.00	43.00	36.00	28.00
1kR	BPC3102J	943-2051●	52.00	43.00	36.00	28.00
2kR	BPC3202J	943-2060●	52.00	43.00	36.00	28.00
5kR	BPC3502J	943-2078●	52.00	43.00	36.00	28.00
10kR	BPC3103J	943-2086●	52.00	43.00	36.00	28.00
20kR	BPC3203J	943-2094●	52.00	43.00	36.00	28.00
50kR	BPC3503J	943-2108●	52.00	43.00	36.00	28.00

Resistance	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
1R	BPC51R0J	943-2116●	57.00	47.00	40.00	30.00
2R	BPC52R0J	943-2124●	57.00	47.00	40.00	30.00
5R	BPC55R0J	943-2132●	57.00	47.00	40.00	30.00
10R	BPC5100J	943-2140●	57.00	47.00	40.00	30.00
20R	BPC5200J	943-2159●	57.00	47.00	40.00	30.00
50R	BPC5500J	943-2167●	57.00	47.00	40.00	30.00
100R	BPC5101J	943-2175●	57.00	47.00	40.00	30.00
200R	BPC5201J	943-2183●	57.00	47.00	40.00	30.00
500R	BPC5501J	943-2191●	57.00	47.00	40.00	30.00
1kR	BPC5102J	943-2205●	57.00	47.00	40.00	30.00
2kR	BPC5202J	943-2213●	57.00	47.00	40.00	30.00
5kR	BPC5502J	943-2221●	57.00	47.00	40.00	30.00
10kR	BPC5103J	943-2230●	57.00	47.00	40.00	30.00
20kR	BPC5203J	943-2248●	57.00	47.00	40.00	30.00
50kR	BPC5503J	943-2256●	57.00	47.00	40.00	30.00

Resistance	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
1R	BPC101R0J	943-2264●	115.00	96.00	85.00	76.00
2R	BPC102R0J	943-2272●	115.00	96.00	85.00	76.00
5R	BPC105R0J	943-2280●	115.00	96.00	85.00	76.00
10R	BPC10100J	943-2299●	115.00	96.00	85.00	76.00
20R	BPC10200J	943-2302●	115.00	96.00	85.00	76.00
50R	BPC10500J	943-2310●	115.00	96.00	85.00	76.00
100R	BPC10101J	943-2329●	115.00	96.00	85.00	76.00
200R	BPC10201J	943-2337●	115.00	96.00	85.00	76.00
500R	BPC10501J	943-2345●	115.00	96.00	85.00	76.00

Resistors, Potentiometers & Thermistors

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Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available