

# MULTILAYER SUPER CURRENTS

## Series BP



### OUTLINE

- Gausstek's Multilayer high current chip beads are SMD components that possess a ultra-low DC resistance. Their impedance mainly comprises resistive part. Therefore, when this component is inserted in series with a noise high current conduction path, the noise content can be attenuated.

### FEATURES

- The BP series can be used on particularly high current circuits due to its extremely low DC resistance. It can meet the power line to a maximum of DC-10A.

### APPLICATIONS

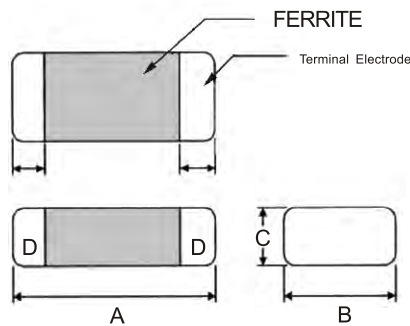
- This series is suitable for very high DC current power line EMI suppression. For example :
  - Various power lines of electronic equipment.
  - Mother board, tablet PC, notebook, desktop computers and peripheral equipment.
  - DSC, DVC, LCD Television, Set Top Box.
  - Digital communication equipment.
  - Various automotive electronics.

### PRODUCT IDENTIFICATION

BP  
a
12  
b
Y  
c
08  
d
4  
e
S  
f
60R  
g

- a : Type of products
- b : Dimension - 12=4032/8530, 13=4532, 20=5650
- c : Materials - Y Style
- d : Thickness - 4=3.61mm, 13=3.2mm, 12=3.05mm, 09=2.3mm, 08=2.28mm, 07=1.8mm, 06=1.52mm
- e : Packing - PCS/REEL - 4=4,000, 3=3,000
- f : Tolerance - S : ±25%
- g : Impedance - 100R=100Ω, 1K1=1200Ω

### SHAPES & DIMENSIONS



Unit : mm

Alias in mm	Alias in inch	A	B	C	D
160808	0603	1.6± 0.20	0.8± 0.15	0.8± 0.15	0.30± 0.2
201209	0805	2.0± 0.20	1.25± 0.20	0.9+0.15/-0.2	0.2~0.8
321611	1206	3.2± 0.20	1.6± 0.20	1.1± 0.20	0.4~1.0
322513	1210	3.2± 0.20	2.5± 0.20	1.3± 0.20	0.6~1.09
403222	1612	4.06± 0.20	3.05± 0.20	2.28± 0.20	0.69~1.09
451616	1806	4.5± 0.20	1.6± 0.20	1.6± 0.20	0.6~1.0
453215	1812	4.5± 0.20	3.2± 0.20	1.5± 0.20	0.69~1.09
453223	1812	4.5± 0.25	3.2± 0.25	2.3± 0.25	0.2~1.1
565015	2220	5.59± 0.51	5.08± 0.25	1.52± 0.25	0.51~1.01
565018	2220	5.59± 0.51	5.08± 0.25	1.80± 0.25	0.51~1.01
565032	2220	5.59± 0.51	5.08± 0.25	3.20± 0.25	0.51~1.01
565036	2220	5.59± 0.51	5.08± 0.25	3.60± 0.25	0.51~1.01
853022	3312	8.50± 0.20	3.05± 0.20	2.28± 0.20	0.69~1.09

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## ELECTRICAL CHARACTERISTICS

Alias	Part Number	Test Frequency (MHz)	Impedance ( $\Omega \pm 25\%$ )	D.C Resistance ( $\Omega$ ) max.	Rated current (mA) max.
60303	BP03Y314S 26R	100	26	0.007	6000
201209	BP05Y354S 7R	100	7	0.008	6000
	BP05Y354S 11R	100	11	0.008	6000
	BP05Y354S 17R	100	17	0.008	6000
	BP05Y354S 30R	100	30	0.008	6000
	BP05Y354S 39R	100	39	0.008	6000
	BP05Y354S 60R	100	60	0.020	6000
	BP05Y354S 80R	100	80	0.020	6000
	BP05Y354S 120R	100	120	0.025	6000
321611	BP06Y433S 31R	100	31	0.006	6000
	BP06Y433S 52R	100	52	0.008	6000
	BP06Y433S 80R	100	80	0.020	4000
	BP06Y433S 120R	100	120	0.025	5000
322513	BP10Y512S 52R	100	52	0.008	6000
	BP10Y512S 60R	100	60	0.008	6000
451616	BP06Y062S 60R	100	60	0.008	6000
453215	BP12Y591S 60R	100	60	0.008	6000
	BP12Y591S 70R	100	70	0.008	6000
	BP12Y591S 120R	100	120	0.020	6000
	BP12Y591S 150R	100	150	0.020	6000
	BP12Y591S 880R	100	880	0.025	4000
403022	BP12Y08KS56R	100	56	0.004	10000
453223	BP13Y09KS100R	100	100	0.007	8000
565015	BP20Y062S 170R	100	170	0.030	4000
565018	BP20Y072S 100R	100	100	0.006	6000
	BP20Y072S 150R	100	150	0.015	5000
	BP20Y072S 180R	100	180	0.020	5000
	BP20Y072S 250R	100	250	0.015	4000
565032	BP20Y132S 270R	100	270	0.035	4000
	BP20Y132S 400R	100	400	0.030	4500
565036	BP20Y142S 800R	100	800	0.010	8000
853022	BP12Y09KS 100R	100	100	0.004	10000