



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## PC Beads (Through Hole)

Part Number: 2944778101

44 PC BEAD

### Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- Last digit 1 = Standard Wire Length 2.4 mm (0.095") Minimum, 2 = Wire Length 3.1 mm (0.122") Minimum

**Multiple single turn or multi- turn printed circuit EMI suppression beads are available in two Fair- Rite materials. The broadband 44 material and in the high frequency 52 material grade.**

Wires are oxygen free high conductivity copper with 100% matte tin plating over a nickel undercoating. Wires on top of the beads are covered with a layer of epoxy.

☐ Recommended operating and storage temperature for the PC Beads is -55 °C to +125 °C.

☐ PC Beads can be supplied with lower component heights "C". Also, the wire length "F" can be modified to specific requirements.

Weight: 2.7 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	11.2	-0.50	0.43	—
B	5.75	-0.50	0.216	—
C	11.8	Max	0.464	Max
D	2.54	±0.10	0.1	—
E	2.54	±0.10	0.1	—
F	2.4	Min	0.095	Min
G	0.65	—	0	22 AWG

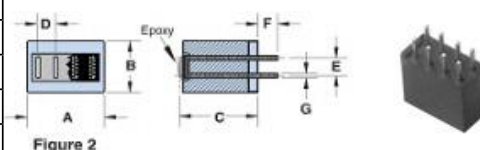


Figure 2  
Chart Legend

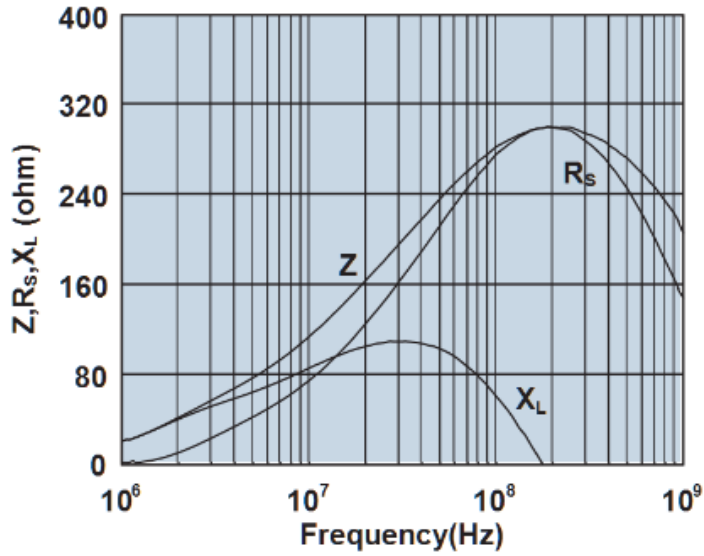
+ Test frequency

Typical Impedance (Ω)	
10 MHz	115
25 MHz <sup>+</sup>	188
100 MHz <sup>+</sup>	288
250 MHz	305

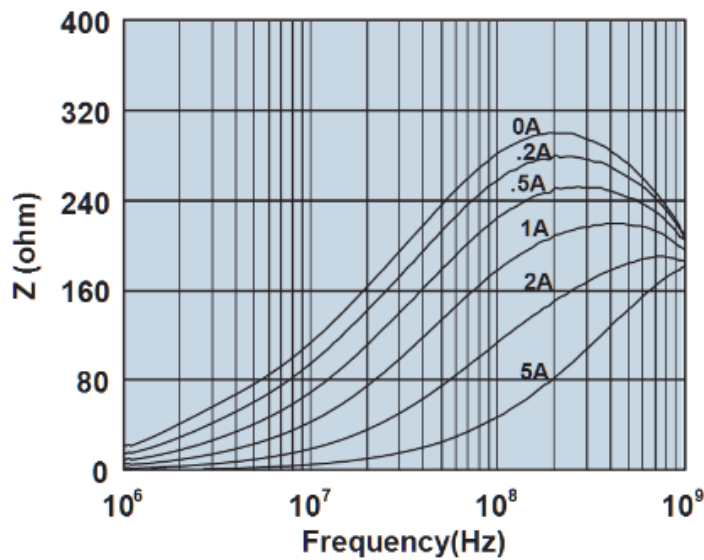
☐ PC Beads are controlled for impedance only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

The PC Beads in 44 material are measured on the 4193A Vector Impedance Analyzer. The 52 PC Beads are tested for impedance on the 4291A RF Impedance Analyzer.

2944778101



Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with dc bias.