



PC Beads (Through Hole)



Part Number: 2944770301

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.

Recommended Soldering Profile

[Catalog Drawing](#)

[3D Model](#)

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

Weight: 7.4 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	13.45	±0.25	0.53	—
B	11.2	-0.50	0.431	—
C	11.8	Max	0.464	Max
D	2.54	±0.10	0.1	—
E	7.6	±0.20	0.299	—
F	2.79 ±0.25	±0.25	0.095	Min
G	0.65	—	0	22 AWG

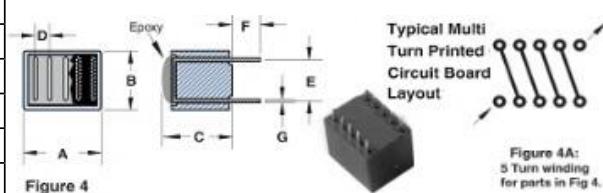


Chart Legend

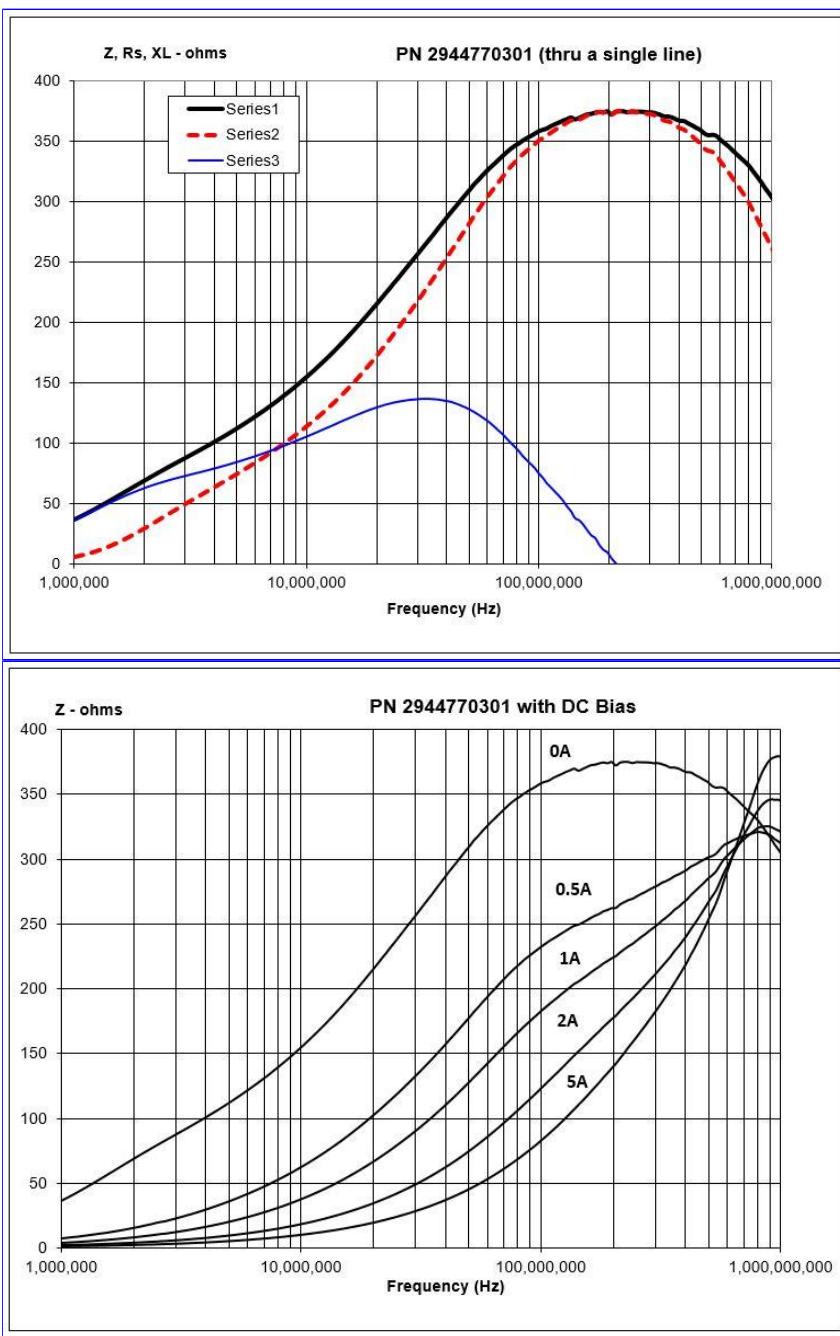
+ Test frequency

Typical Impedance (Ω)	
10 MHz	155
25 MHz ⁺	237
100 MHz ⁺	358
250 MHz	374

PC Beads are controlled for impedance only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is listed on our catalog drawing.

Catalog Drawing

The PC Beads in 44 material are measured on the E4990A Impedance Analyzer. The 52 PC Beads are tested for impedance on the E4991A / HP4291B Impedance Analyzer.



[CSV Download](#)

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [\[email protected\]](mailto:) • www.fair-rite.com