

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!



## Contact us

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## SM Beads (Common- Mode)



Part Number: 2744051446

44 COMMON MODE SM BEAD

## **Explanation of Part Numbers:**

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- □Last digit 6 = Bulk Packed 7 = Taped and Reeled

Surface mount common-mode beads are available from Fair-Rite in several materials and sizes. The common-mode bead provides a common magnetic path for the flux generated by the current to the load and the return current from the load. The current compensation results in zero magnetic flux in the bead.

☐ For any SM Bead requirement not listed, please contact our customer service group for availability and pricing.

□ Suggested land patterns are in accordance with the latest revision of IPC-7351.

Weight: 1 (g)

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Dim	mm	mm tol	nominal inch	inch misc.			
A	4.5	Max	0.177	Max			
В	6.65	Max	0.262	Max			
C	12	Max	0.472	Max			
D	2.5	±0.50	0.098	_			
Е	3	±0.10	0.118				

Land Patterns							
V	W	X	Y	Z			
4.00	09.00	1.00	5.00	3.00			
(0.158")	(0.354")	(0.040")	(0.197")	(0.118")			

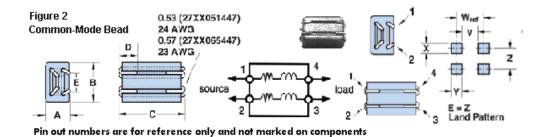


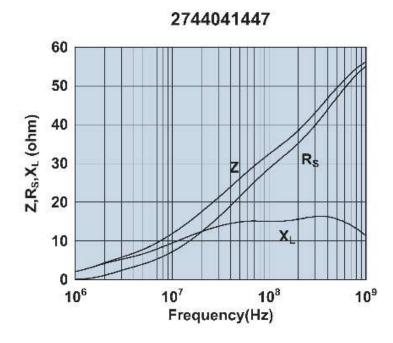
Chart Legend + Test frequency

Typical Impedance	(Ω)
10 MHz	60
25 MHz <sup>+</sup>	100
100 MHz <sup>+</sup>	230
250 MHz	
300 MHz	275
Electrical Propertie	es

Electrical Properties			
Max Rdc(mΩ)	4		

SM Beads are controlled for impedance limits only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed value less 20%. SM Beads in 44 materials are measured for impedance on the 4193 Vector Impedance Analyzer. The 52 SM Beads are tested for impedance on the 4291A RF Impedance Analyzer.

□ The maximum current rating for these SM Beads is 5 amps.



Impedance, reactance, and resistance vs. frequency.

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