

## SM Beads (Common- Mode)



Part Number: 2744045447

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.

Weight: 0.53 (g)

Dim	mm	mm tol	nominal inch	inch misc.			
A	2.85	±0.20	0.112				
В	5.6	±0.20	0.22	_			
С	8.9	-0.80	0.335	_			
D	1.35	±0.50	0.053				
Е	2.54	±0.25	0.1				
Land Patterns							

Land Patterns						
V	W	X	Y	Z		
4.00	07.00	1.80	3.00	2.54		
(0.158")	(0.276")	(0.071")	(0.118")	(0.100")		

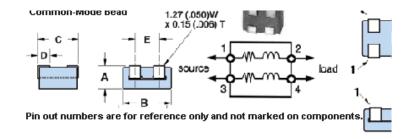
Reel Information							
Tape Width	Pitch	Parts 7"	Parts 13"	Parts 14"			
mm	mm	Reel	Reel	Reel			
16	8		2400				

Figure 1

Flat TCW







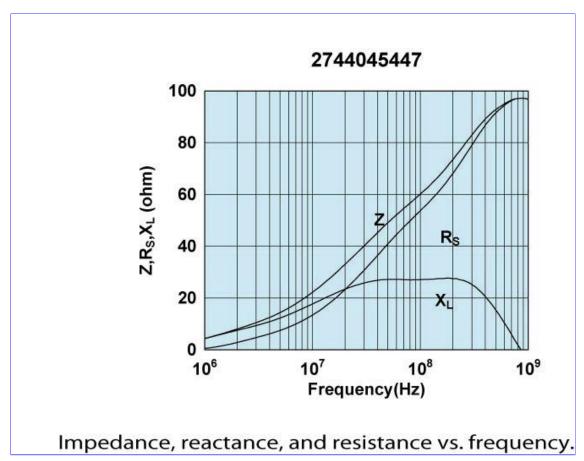
## Chart Legend

+ Test frequency

Typical Impedance (Ω)				
10 MHz				
25 MHz <sup>+</sup>				
100 MHz <sup>+</sup>				
250 MHz				
300 MHz				
Electrical Prop	erties			
Max	1 4			
$Rdc(m\Omega)$	1.7			

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.



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