## Chip Beads (2508051107Y0)



Part Number: 2508051107Y0 MULTI- LAYER CHIP BEAD

Part Number System: Example 2512063017Y1

25	1206	301	7	Υ	1
Chip Bead	Package Size	Impedance Code	Packaging Code	Material Code	Current Code 0 < 1.0A
Code	Code	300 Ω	6= Bulk Packed Taped and Reeled 7" Reel	Y = Standard Signal Speed Z = High Signal Speed	1 ≥ 1.0A < 2.0A 3 > 3.0A < 4.0A
			Taped and Reeled 13" Reel	H = GHz Speed	5 ≥ 3.0A < 4.0A ETC

Fair- Rite offers a broad selection of cost effective multi- layer chip beads to suppress conducted EMI signals. Chip beads can be used in an array of devices such as cellular phones, computers, laptops, pagers, etc. The small package sizes accommodate automated placements and allow for a dense packaging of circuit boards.

Chip Beads are available in standard, high and GHz signal speeds.

## Recommended Soldering Profile

## **Packaging Options:**

- All multi- layer chip beads are supplied taped and reeled, if required bulk packed chip beads can be provided.

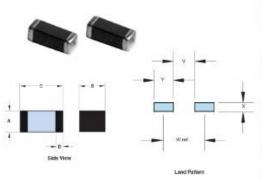
The suggested land patterns are in accordance to the latest revision of IPC-7351.

Weight: 0.01 (g)

Package Size: 0805 (2012)

1 acka	ge Size.	. 0003 (2012	<i>-</i> )				
Dim	mm	mm tol	nor	minal inch		inch misc	
A	0.9	±0.20	0.0	35		_	
В	1.25	±0.20	0.0	49			
С	2	±0.20	0.0	79			
D	0.5	±0.30	0.0	2			
Land	Patterns	S					
V		W		X	Y	•	Z
0.60		1.90		1.50	1	.30	
(0.024)	4")	(0.075")		(0.059")	((	0.051")	-

Reel Information						
Tape Width mm	Pitch mm	Parts 7" Reel	Parts 13" Reel	Parts 14" Reel		
8	4	4000	10000			



Pkg. Size	A	В	C	D	WŁ (g)	Land Patterns			Reel Information			
						٧	W (ref)	×	Y	Tape Width mm	Pitch	Part 7" Reel
0402 (1005)	0.5±0.05 0.020	0.5±0.05 0.020	1.0±0.05 0.040	0.25±0.15 0.010	0.002	0.40 0.016	1.30 0.051	0.70 0.028	0.90 0.035	8	4	10000
0603 (1608)	0.8±0.15 0.031	0.8±0.15 0.031	1.6±0.15 0.063	0.4±0.2 0.016	0.006	0.60 0.024	1.70 0.067	1.00	1.10 0.043	8	4	4000
0805 (2012)	0.9±0.2 0.035	1.25±0.2 0.049	2.0±0.2 0.079	0.5±0.3 0.020	0.01	0.60 0.024	1.90 0.075	1.50 0.059	1.30 0.051	8	4	4000
1206 (3216)	1.1±0.2 0.043	1.6±0.2 0.063	3.2±0.2 0.126	0.7±0.3 0.028	0.03	1.20 0.047	2.80 0.110	1.80 0.071	1.60 0.063	8	4	3000
1806 (4516)	1.6±0.2 0.063	1.6±0.2 0.063	4.5±0.2 0.177	0.7±0.3 0.028	0.06	2.00 0.079	3.90 0.154	1.80 0.071	1.90 0.075	12	8	2000
1812 (4532)	1.5±0.2 0.059	3.2±0.2 0.126	4.5±0.2 0.177	0.7±0.3 0.028	0.09	2.00 0.079	3.90 0.154	3.40 0.134	1.90 0.075	12	8	1000

## Chart Legend + Test frequency

Typical Impe	edance (Ω)
50 MHz	9.8
100 MHz <sup>+</sup>	11 ±25%
500 MHz	16.4
1000 MHz <sup>+</sup>	-

<b>Electrical Properties</b>			
Max DCR (Ω)	0.1		
Max Current (mA)	300		

The impedance values listed are typical values. The nominal impedance with a  $\pm$ -25% tolerance is specified for the  $\pm$  marked 100 MHz. Chip beads are measured for impedance on the HP 4291A and fixture HP 16192A. Chip beads are 100% tested for impedance and dc resistance.