# Chip Beads (2508051217Y3)



Part Number: 2508051217Y3

#### MULTI- LAYER CHIP BEAD

### Part Number System: Example 2512063017Y1

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

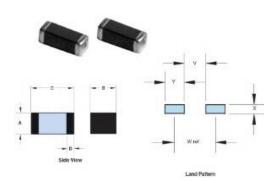
- All multi- layer chip beads are supplied taped and reeled, if required bulk packed chip beads can be provided.

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

#### Weight: 0.01 (g)

Packa	ge Size	: 0805 (201	2)				
Dim	mm	mm tol	nominal inch	inch misc	inch misc.		
А	0.9	±0.20	0.035				
В	1.25	±0.20	0.049				
С	2	±0.20	0.079				
D	0.5	±0.30	0.02	_			
Land	Patterns	5					
V		W	Х	Y	Ζ		
0.60 1.90		1.90	1.50	1.30			
(0.024")		(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	WL (g)	Land Patterns				Reel Informatio		
						Y	W (ref)	×	Y	Tape Width mm	Pitch	Part 7" Ree
0402 (1005)		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	1000
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 0.039	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 Impedance $(\Omega)$							
50 MHz	89						
$100 \text{ MHz}^+$	12	$0 \pm 25$	%				
500 MHz	17	0					
$1000 \text{ MHz}^+$	-						
Electrical Pr	op	erties					
Max DCR (Ω)		0.05					
Max Curren (mA)	t	3000					

The impedance values listed are typical values. The nominal impedance with a +/-25% tolerance is specified for the + 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.