



CHIP FERRITE BEADS ARRAY

CHIP FERRITE BEADS ARRAY

Features

1. Available in wide range of impedance values.
2. Excellent EMI Suppression characteristics for various types of noise.
3. 4 Lines achieved with a single chip, very usefully adopted in high-density circuit design.
4. Heat generation and crosstalk between adjacent circuits are at minimum.
5. Excellent solderability.
6. Lead Free (RoHS Compliant)
7. Halogen Free (IPC4101B Compliant)

Applications

1. Waveform correction in personal computers, electric equipment, communication equipment, OA equipment.
2. Provides radiated noise countermeasures in interfaces and harness connecting parts.
3. Prevents noise intrusion in video, LCD module, etc.
4. Parallel signal line.

Ordering Information

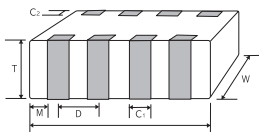
$\frac{HB}{(1)}$ - $\frac{4}{(2)}$ $\frac{M}{(3)}$ $\frac{3216}{(4)}$ $\frac{\square}{(5)}$ - $\frac{121}{(6)}$ $\frac{J}{(7)}$ $\frac{T}{(8)}$

- | | |
|---|---|
| <p>(1) Series
HB : For signal line</p> <p>(2) Type
4 : 4 Array</p> <p>(3) Material & Design
S : For high speed
M : For high impedance
T : For Low speed</p> <p>(4) Dimensions
First two digits : length(mm)
Last two digits : width(mm)</p> | <p>(5) Thickness
A : 0.9mm max
B : 0.7mm max</p> <p>(6) Impedance(at 100MHz)
First two digits are impedance values.
Last digit is the number of zeros.</p> <p>(7) Termination
J : Nickel barrier</p> <p>(8) Packaging
B : Bulk Package
T : Tape & Reel (\varnothing 178mm [7 inches])
L : Tape & Reel (\varnothing 254mm [10 inches])</p> |
|---|---|

Shape and Dimensions

· 4 Array

unit ; mm [inches]



Type		L	W	T	C ₁	C ₂	D	M
HB-4□2010-	B	2.00±0.15 [.079±.006]	1.00±0.15 [.039±.006]	0.60±0.1 [.024±.004]	0.25±0.10 [.010±.004]	0.3 max [.012 max]	0.50±0.10 [.020±.004]	0.2 max [.008 max]
HB-4□3216-	A	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	0.80±0.1 [.031±.004]	0.40±0.15 [.016±.006]	0.30±0.10 [.012±.004]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]

Specifications

2010 Series

Part No.	Z at 100MHz (Ω)		DC Resistance (mΩ) max.	Rated Current (mA) max.
	typ.	min.		
HB-4T2010□-100□□	10	7.5	100	200
HB-4T2010□-400□□	40	30	150	200
HB-4T2010□-600□□	60	45	300	200
HB-4T2010□-800□□	80	60	300	200
HB-4T2010□-121□□	120	90	400	150
HB-4T2010□-201□□	200	150	600	100
HB-4T2010□-301□□	300	225	800	50
HB-4T2010□-102□□	1000	700	1300	50
HB-4M2010□-100□□	10	7.5	100	200
HB-4M2010□-400□□	40	30	150	200
HB-4M2010□-600□□	60	45	300	200
HB-4M2010□-800□□	80	60	300	200
HB-4M2010□-121□□	120	90	400	150
HB-4M2010□-201□□	200	150	600	100
HB-4M2010□-301□□	300	225	800	50
HB-4S2010□-100□□	10	7.5	200	200
HB-4S2010□-300□□	30	23	300	200
HB-4S2010□-600□□	60	45	400	150
HB-4S2010□-101□□	100	75	500	150

3216 Series

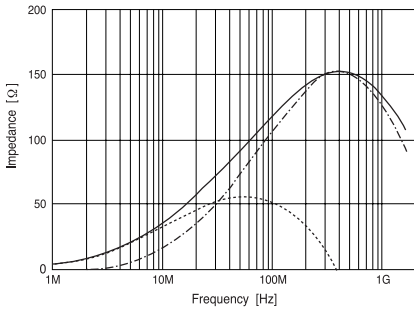
Part No.	Z at 100MHz (Ω)		DC Resistance (mΩ) max.	Rated Current (mA) max.
	typ.	min.		
HB-4T3216□-600□□	60	45	120	200
HB-4T3216□-121□□	120	90	200	200
HB-4T3216□-201□□	200	150	300	150
HB-4T3216□-241□□	240	180	400	150
HB-4T3216□-301□□	300	225	450	150
HB-4T3216□-471□□	470	353	500	100
HB-4T3216□-601□□	600	450	500	100
HB-4T3216□-102□□	1000	750	800	50
HB-4M3216□-300□□	30	22	100	200
HB-4M3216□-600□□	60	45	120	200
HB-4M3216□-800□□	80	60	150	150
HB-4M3216□-121□□	120	90	200	100
HB-4M3216□-201□□	200	150	300	100
HB-4M3216□-241□□	240	180	400	100
HB-4M3216□-301□□	300	225	450	100
HB-4M3216□-471□□	470	353	450	100
HB-4M3216□-601□□	600	450	500	100
HB-4M3216□-102□□	1000	750	800	100
HB-4S3216□-500□□	50	37	200	200
HB-4S3216□-800□□	80	60	250	200
HB-4S3216□-121□□	120	90	250	200
HB-4S3216□-201□□	200	150	300	200
HB-4S3216□-241□□	240	180	350	200
HB-4S3216□-301□□	300	225	400	200

※ Test equipment : HP4291 + HP16192A (Agilent)

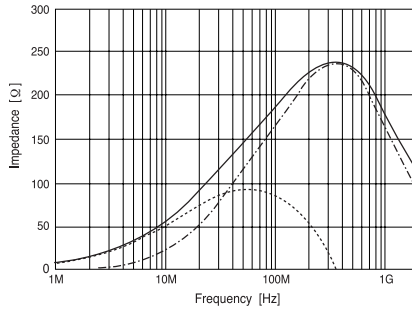
✦ 4 Array(3216 Series)

—Z ---R ---X

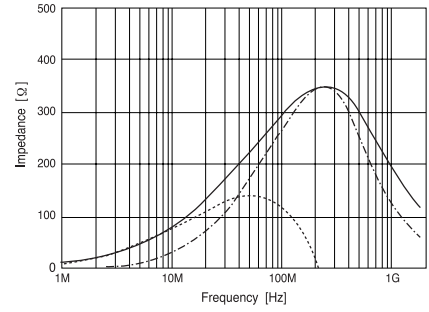
HB-4T3216A-121J



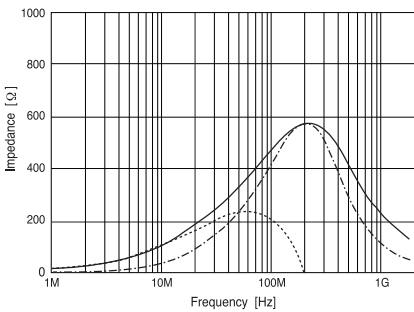
HB-4T3216A-201J



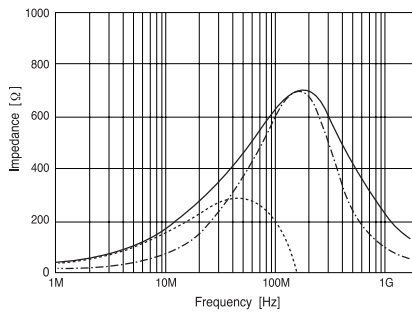
HB-4T3216A-301J



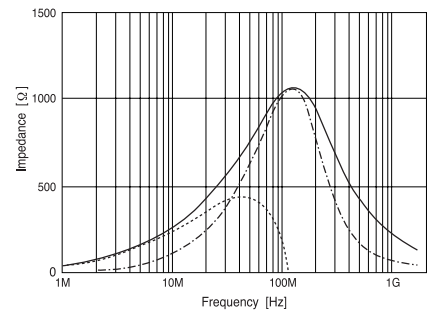
HB-4T3216A-471J



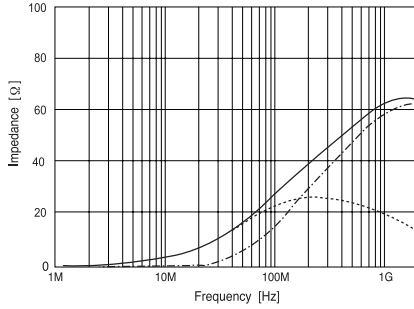
HB-4T3216A-601J



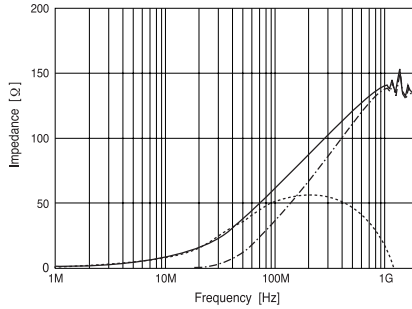
HB-4T3216A-102J



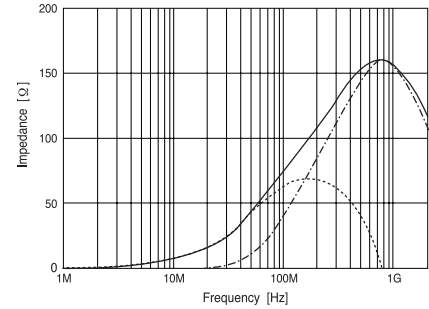
HB-4M3216A-300J



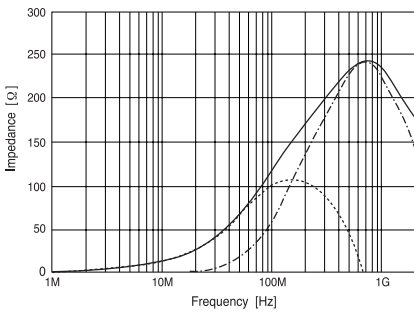
HB-4M3216A-600J



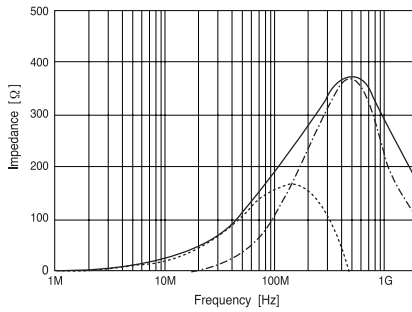
HB-4M3216A-800J



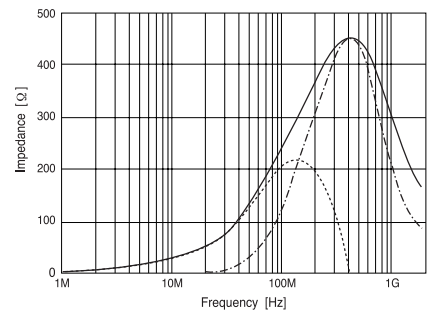
HB-4M3216A-121J



HB-4M3216A-201J



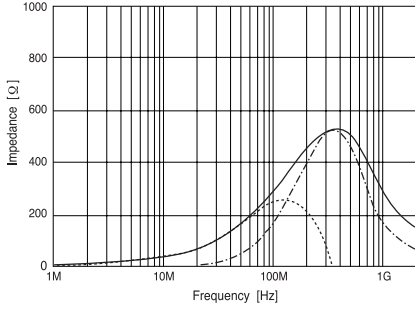
HB-4M3216A-241J



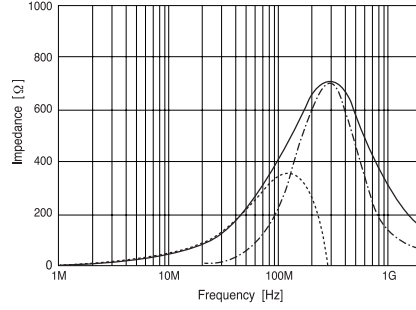
CHIP FERRITE BEADS ARRAY

— Z --- R --- X

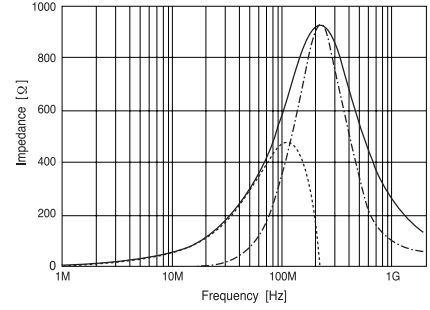
HB-4M3216A-301J



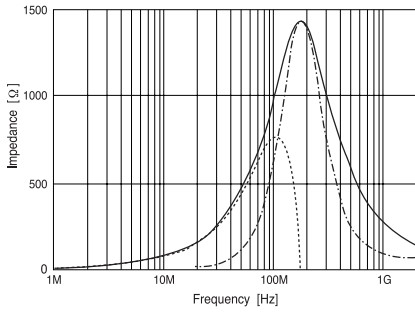
HB-4M3216A-471J



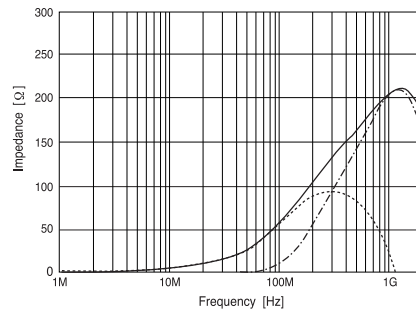
HB-4M3216A-601J



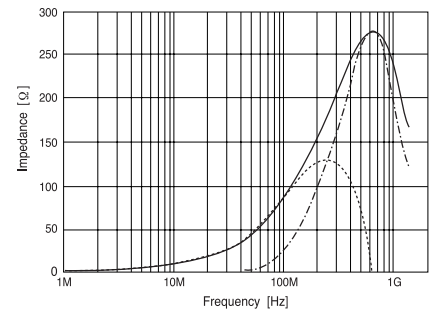
HB-4M3216A-102J



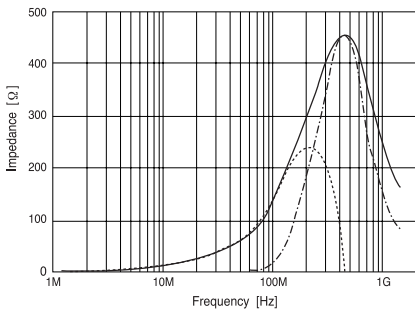
HB-4S3216A-500J



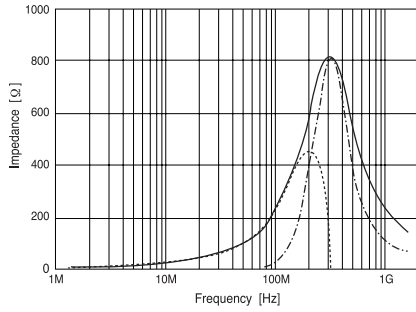
HB-4S3216A-800J



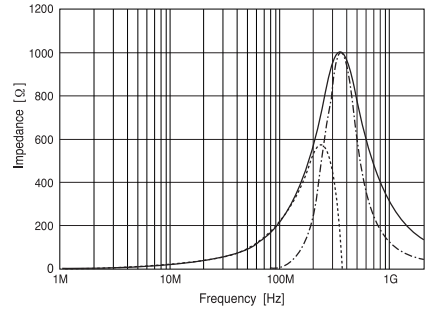
HB-4S3216A-121J



HB-4S3216A-201J



HB-4S3216A-241J



HB-4S3216A-301J

