

CHIP FERRITE BEADS ARRAY

Features

1. Available in a wide range of impedance values and providing excellent EMI suppression characteristics for various types of noise.
2. Line(3,4) is achievable with a single chip, it can be very usefully adopted in high density circuit designs.
3. Heat generation and crosstalk between adjacent circuits are minimized.
4. Excellent solderability.

Applications

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

Ordering Information

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

(1) Series

HB : For signal line

(3) Material & Design

H : For general purpose

S : For high speed

M : For high impedance type

T,V : For low speed

(5) Thickness

A : 0.9mm max

B : 0.7mm max

C : 1.2mm max

(7) Termination

J : Nickel barrier

(2) Type

3 : 3 Array

4 : 4 Array

(4) Dimensions

The first two digits: length(mm)

The last two digits: width (mm)

(6) Impedance (at 100MHz)

The first two digits are significant.

The last digit is the number of zeros following.

(8) Packing

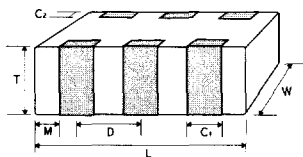
B: Bulk Pack

T: Tape & Reel(ϕ 178mm [7 inches])

L: Tape & Reel(ϕ 254mm [10 inches])

Shape and Dimensions

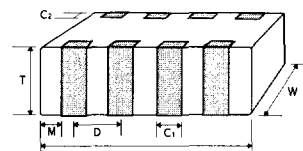
• 3 Array



unit:mm[inches]

Type		L	W	T	C ₁	C ₂	D	M
HB-3□3216-	A	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	0.80±0.1 [.031±.004]	0.50±0.15 [.020±.006]	0.20~0.45 [.008~.018]	1.0±0.2 [.039±.008]	0.30±0.2 [.012±.008]
	B	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	0.60±0.1 [.024±.004]	0.50±0.15 [.020±.006]	0.20~0.45 [.008~.018]	1.0±0.2 [.039±.008]	0.30±0.2 [.012±.008]

• 4 Array



unit:mm[inches]

Type		L	W	T	C ₁	C ₂	D	M
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]	0.20~0.45 [.008~.018]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]
	B	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	0.60±0.1 [.024±.004]	0.40±0.15 [.016±.006]	0.20~0.45 [.008~.018]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]
	C	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	1.10±0.1 [.043±.004]	0.40±0.15 [.016±.006]	0.20~0.45 [.008~.018]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]

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]	0.40±0.10 [.016±.004]	0.2 max [.008 max]

Specifications

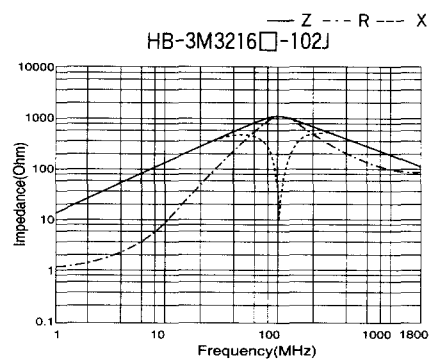
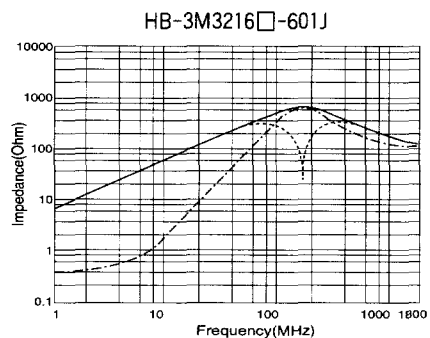
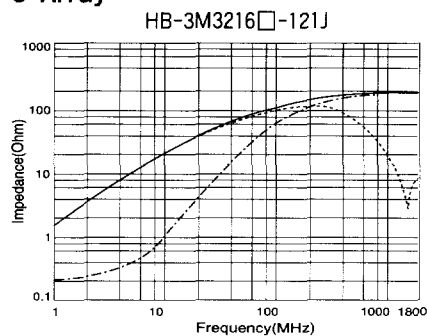
Part No.	Z at 100MHz (Ω)		DC Resistance (Ω) max.	Rated Current (mA) max.
	typ.	min.		
HB-3H3216□-300□□	30	22	0.10	200
HB-3M3216□-121□□	120	90	0.20	100
HB-3M3216□-201□□	200	150	0.30	100
HB-3M3216□-301□□	300	225	0.45	100
HB-3M3216□-601□□	600	450	0.50	100
HB-3M3216□-102□□	1000	750	0.80	100
HB-4H3216□-300□□	30	22	0.10	200
HB-4M3216□-600□□	60	45	0.12	200
HB-4M3216□-800□□	80	60	0.15	150
HB-4M3216□-121□□	120	90	0.20	100
HB-4M3216□-201□□	200	150	0.30	100
HB-4M3216□-301□□	300	225	0.45	100
HB-4M3216□-601□□	600	450	0.50	100
HB-4M3216□-102□□	1000	750	0.80	100
HB-4T3216□-121□□	120	90	0.20	200
HB-4T3216□-201□□	200	150	0.30	150
HB-4T3216□-301□□	300	225	0.45	150
HB-4T3216□-601□□	600	450	0.50	100
HB-4T3216□-102□□	1000	750	0.80	50
HB-4S3216□-500□□	50	37	0.20	200
HB-4S3216□-800□□	80	60	0.25	200
HB-4S3216□-121□□	120	90	0.25	200
HB-4S3216□-201□□	200	150	0.30	200
HB-4S3216□-301□□	300	225	0.40	200
HB-4V3216□-400□□	40	30	0.15	200
HB-4V3216□-600□□	60	45	0.20	200
HB-4V3216□-800□□	80	60	0.20	200
HB-4V3216□-121□□	120	90	0.30	150
HB-4V3216□-201□□	200	150	0.40	100
HB-4V3216□-301□□	300	225	0.50	100
HB-4M2010□-100□□	10	7.5	0.10	200
HB-4M2010□-400□□	40	30	0.15	200
HB-4M2010□-600□□	60	45	0.30	200
HB-4M2010□-800□□	80	60	0.30	200
HB-4M2010□-121□□	120	90	0.40	150
HB-4M2010□-201□□	200	150	0.60	100
HB-4M2010□-301□□	300	225	0.80	50
HB-4T2010□-100□□	10	7.5	0.10	200
HB-4T2010□-400□□	40	30	0.15	200
HB-4T2010□-600□□	60	45	0.30	200
HB-4T2010□-800□□	80	60	0.30	200
HB-4T2010□-121□□	120	90	0.40	150
HB-4T2010□-201□□	200	150	0.60	100
HB-4T2010□-301□□	300	225	0.80	50
HB-4S2010□-100□□	10	7.5	0.20	200
HB-4S2010□-300□□	30	23	0.30	200
HB-4S2010□-600□□	60	45	0.40	150
HB-4S2010□-101□□	100	75	0.50	150

*Parts with other electrical characteristics can be provided upon customer's request.

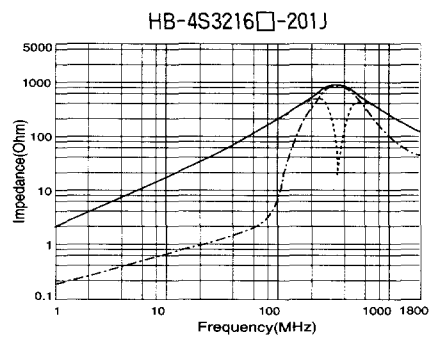
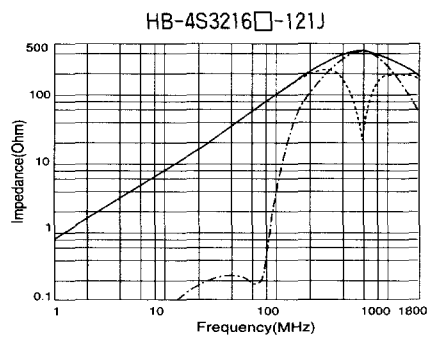
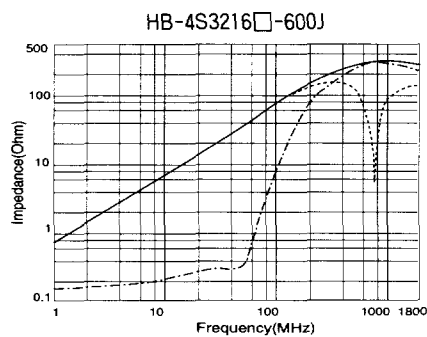
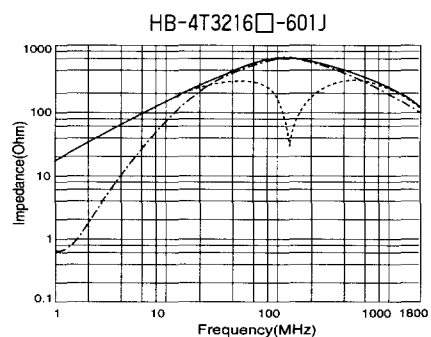
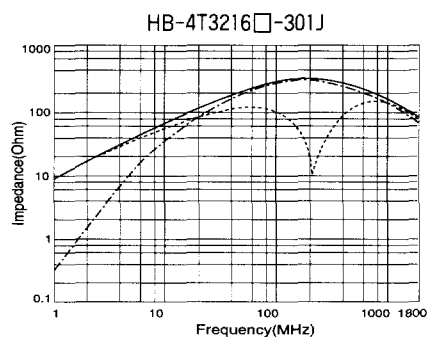
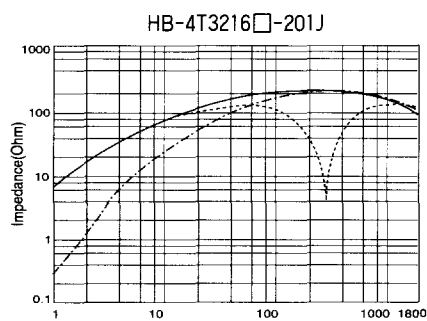
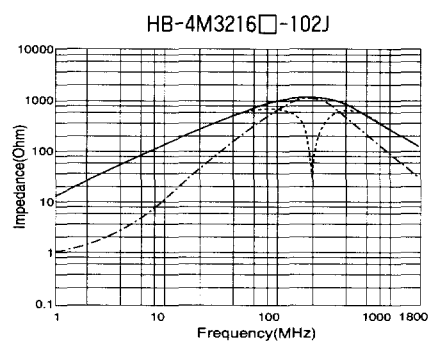
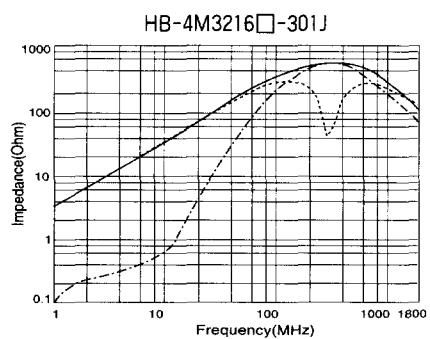
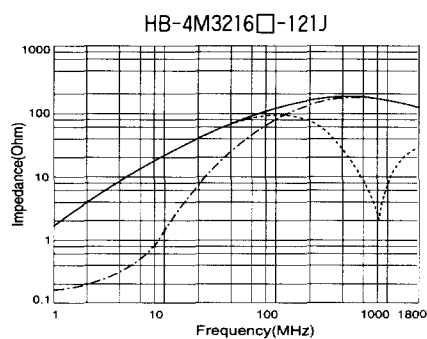
*Test equipment: HP4291A + HP16192A

Electrical Characteristics

• 3 Array

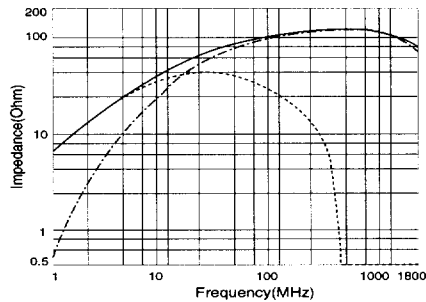


• 4 Array (3216 Series)

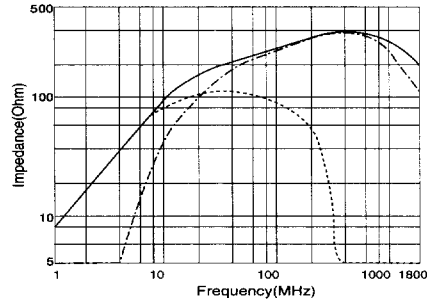


• 4 Array (3216 Series)

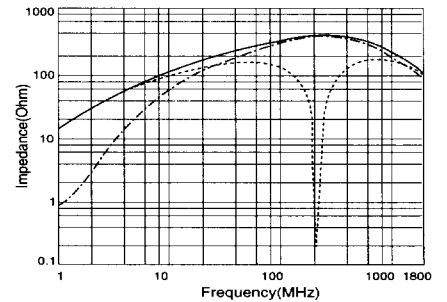
HB-4V3216□-121J



HB-4V3216□-201J

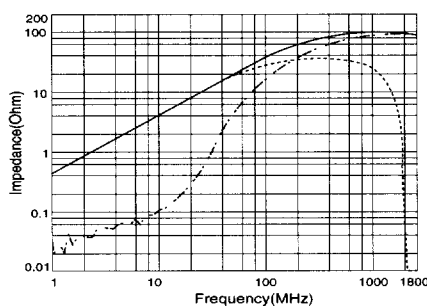


HB-4V3216□-301J

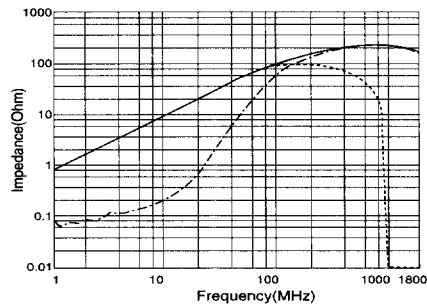


• 4 Array (2010 Series)

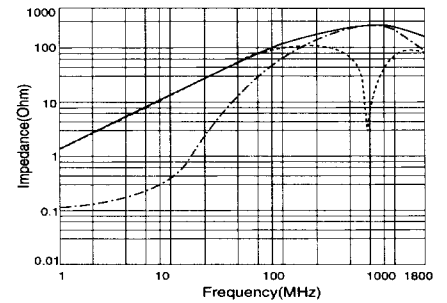
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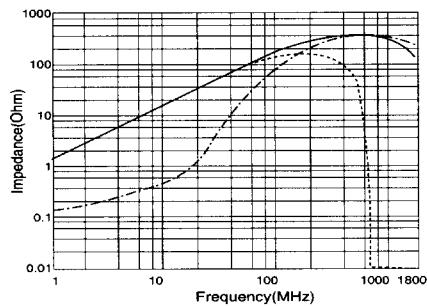
HB-4M2010B-800J



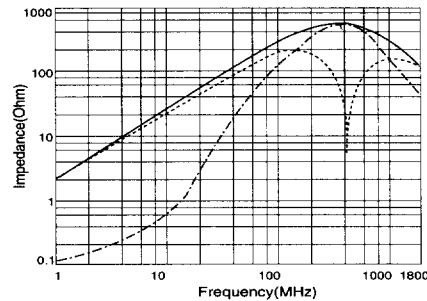
HB-4M2010B-121J



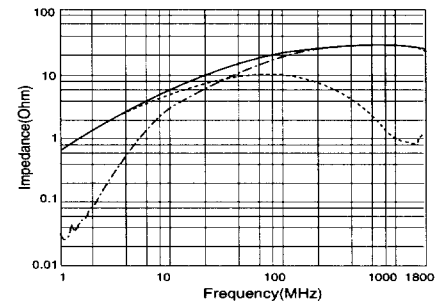
HB-4M2010B-201J



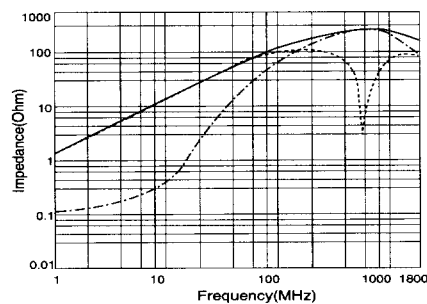
HB-4M2010B-301J



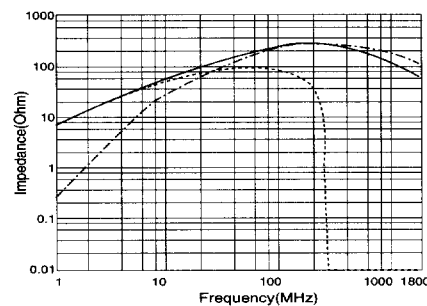
HB-4T2010B-400J



HB-4T2010B-121J



HB-4T2010B-201J



HB-4T2010B-301J

