

### Features

1. Availing in a wide range of impedance values.
2. Providing excellent EMI suppression characteristics for various types of noise.
3. 4Lines 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 Compliance)

### 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

<b>SHB</b>	<b>-</b>	<b>4</b>	<b>M</b>	<b>-</b>	<b>3216</b>	<b>□</b>	<b>-</b>	<b>121</b>	<b>J</b>	<b>T</b>
(1)		(2)	(3)		(4)	(5)		(6)	(7)	(8)

#### (1) Series

SHB : For signal line

#### (2) Type

4 : 4 Array

#### (3) Material & Design

H : For general purpose  
 S : For high speed  
 M : For high impedance type  
 T : For Low speed

#### (4) Dimensions

First two digits : length(mm)  
 Last two digits : width(mm)

#### (4) Thickness

A : 0.9mm max  
 B : 0.7mm max

#### (6) Impedance (at 100MHz)

First two digits are impedance values.  
 Last digit is the number of zeros.

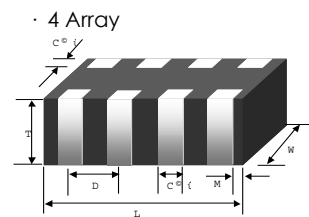
#### (7) Termination

J : Nickel barrier

#### (8) Packaging

B : Bulk package  
 T : Tape & Reel (Φ 178mm [ 7 inches ])  
 L : Tape & Reel (Φ 254mm [ 10 inches ])

### Shape and Dimensions



unit : mm [inches]

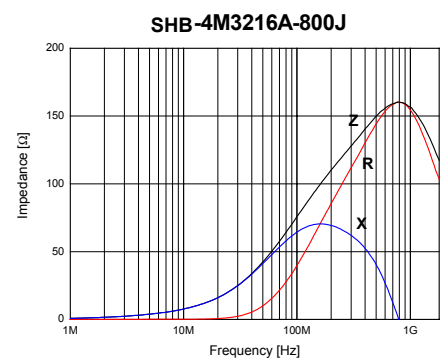
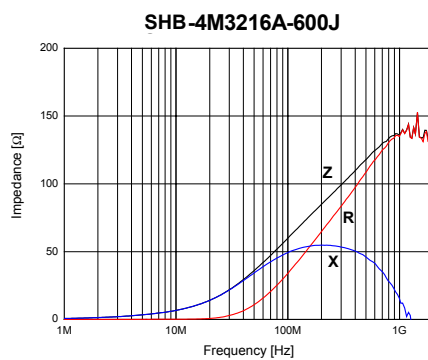
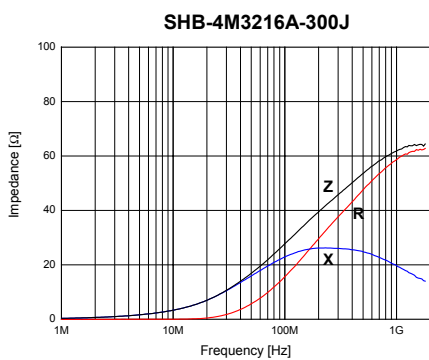
Type	L	W	T	C1	C2	D	M
SHB-4□3216-A	3.20±0.2 [.126±.008]	1.60±0.2 [.063±.008]	0.80±0.1 [.031±.004]	0.40±0.15 [.016±.006]	0.30±0.10 [.012±.004]	0.80±0.1 [.031±.004]	0.20±0.1 [.008±.004]

### Electrical Parameters

Part No.	Z  at 100MHz (Ω)		DC Resistance (Ω) max.	Rated current (mA) max
	typ.	min.		
SHB-4H3216□-300□□	30	22	0.10	200
SHB-4M3216□-600□□	60	45	0.12	200
SHB-4M3216□-800□□	80	60	0.15	150
SHB-4M3216□-121□□	120	90	0.20	100
SHB-4M3216□-201□□	200	150	0.30	100
SHB-4M3216□-241□□	240	180	0.40	100
SHB-4M3216□-301□□	300	225	0.45	100
SHB-4M3216□-471□□	470	353	0.45	100
SHB-4M3216□-601□□	600	450	0.50	100
SHB-4M3216□-102□□	1000	750	0.80	100
SHB-4T3216□-600□□	60	45	0.12	200
SHB-4T3216□-121□□	120	90	0.20	200
SHB-4T3216□-201□□	200	150	0.30	150
SHB-4T3216□-241□□	240	180	0.40	150
SHB-4T3216□-301□□	300	225	0.45	150
SHB-4T3216□-471□□	470	353	0.50	100
SHB-4T3216□-601□□	600	450	0.50	100
SHB-4T3216□-102□□	1000	750	0.80	50
SHB-4S3216□-500□□	50	37	0.20	200
SHB-4S3216□-800□□	80	60	0.25	200
SHB-4S3216□-121□□	120	90	0.25	200
SHB-4S3216□-201□□	200	150	0.30	200
SHB-4S3216□-241□□	240	180	0.35	200
SHB-4S3216□-301□□	300	225	0.40	200

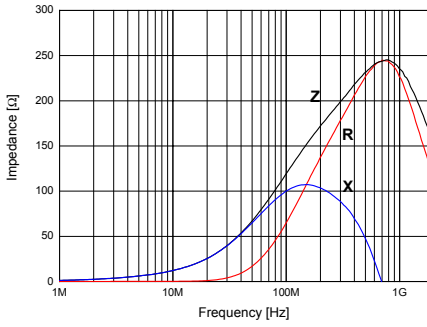
- ※ Parts with other electrical characteristics available upon request.
- ※ Test equipment : HP4291A + HP16192A

### Electrical Characteristic Curves

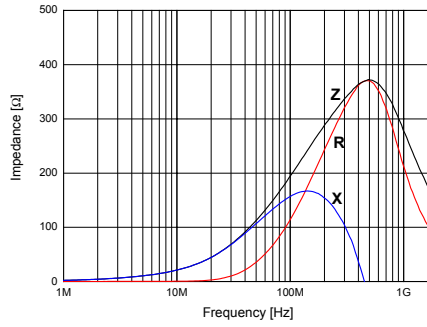


\*All specifications are subject to change without notice.

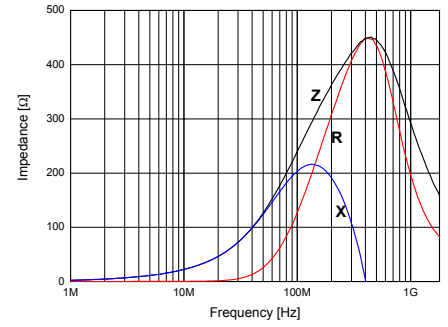
**SHB-4M3216A-121J**



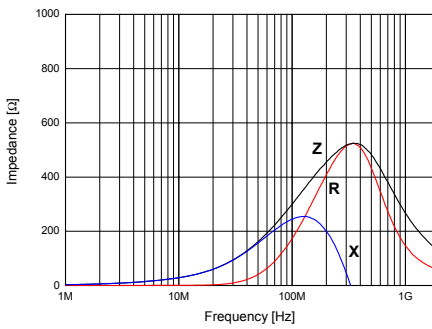
**SHB-4M3216A-201J**



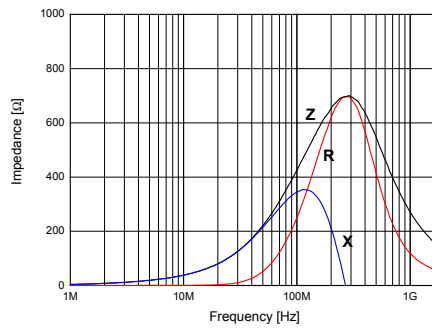
**SHB-4M3216A-241J**



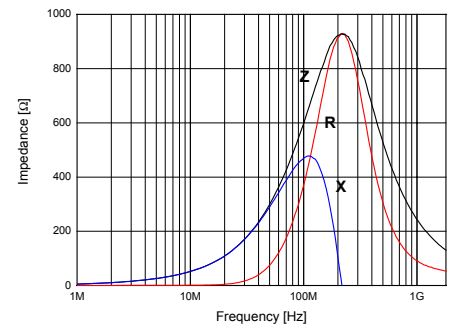
**SHB-4M3216A-301J**



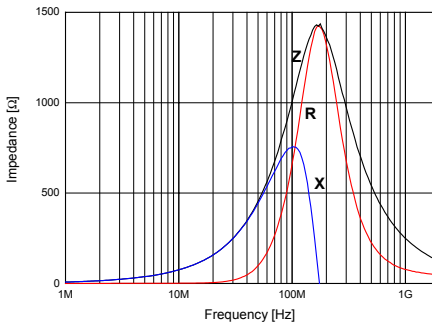
**SHB-4M3216A-471J**



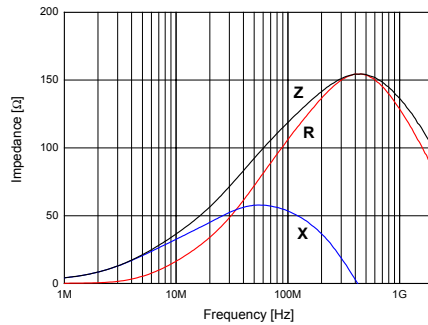
**SHB-4M3216A-601J**



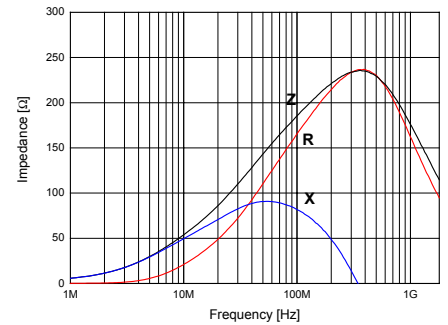
**SHB-4M3216A-102J**



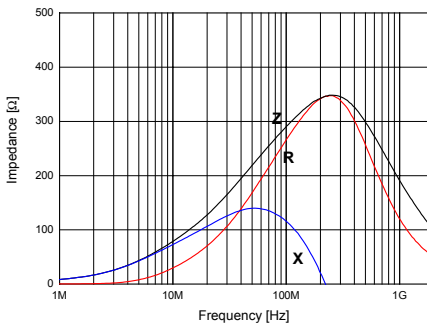
**SHB-4T3216A-121J**



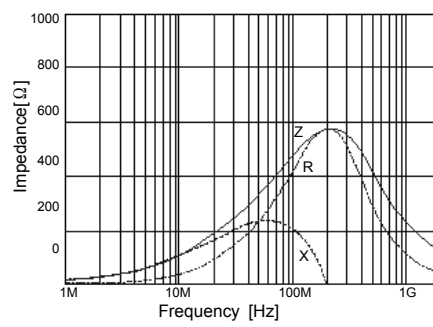
**SHB-4T3216A-201J**



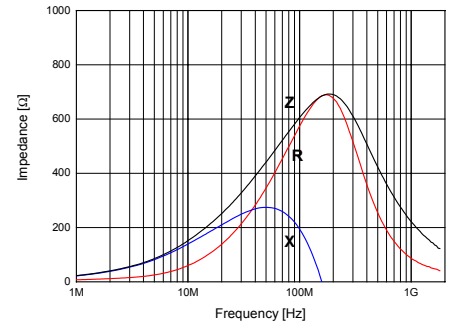
**SHB-4T3216A-301J**



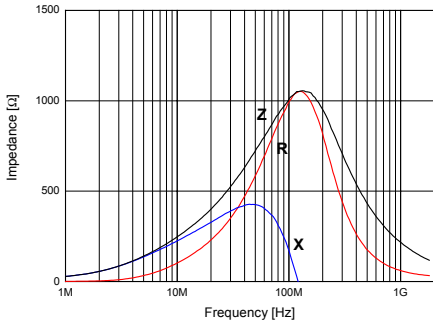
**SHB-4T3216A-471J**



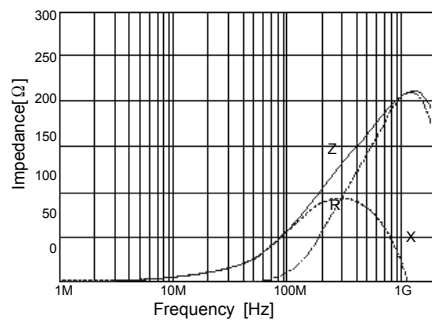
**SHB-4T3216A-601J**



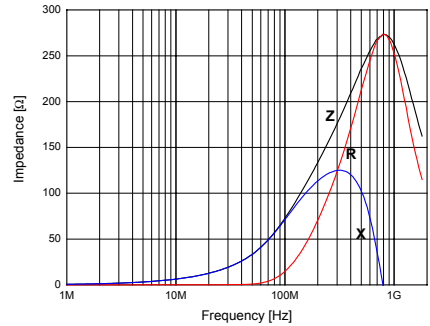
**SHB-4T3216A-102J**



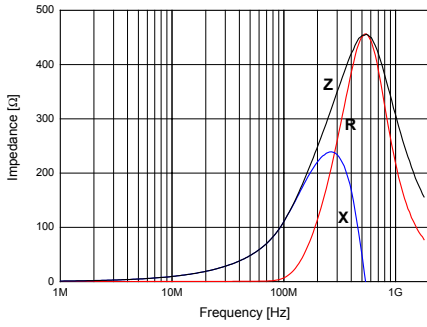
**SHB-4S3216A-500J**



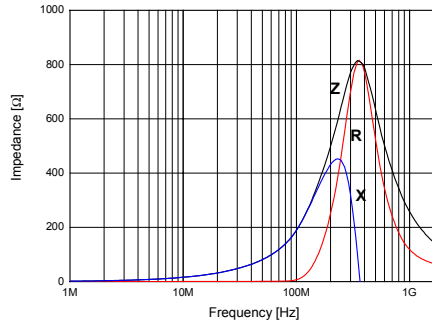
**SHB-4S3216A-800J**



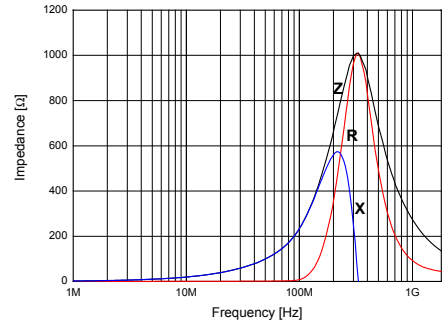
**SHB-4T3216A-121J**



**SHB-4S3216A-201J**



**SHB-4S3216A-241J**



**SHB-4S3216A-301J**

