

### Features

1. Effective in suppressing noise at high frequencies.
2. Suited for preventing the abnormal oscillation from high frequency amplifying circuits.
3. Excellent solder heat resistance for soldering.
4. High reliability in the circuits of high current.
5. Lead Free (RoHS Compliance)

### Applications

1. Noise suppression in digital equipments.
2. Computers and peripheral devices, VCR and camera.
3. Noise suppression in automotive electronic equipment, car stereo, car engine controller.
4. Noise suppression for OA electronic instruments.

### Ordering Information

SHH - 1 M 1608 - 121 J T  
 (1) (2) (3) (4) (5) (6)

#### (1) Series

SHH : For high current (~3.0A)

#### (2) Material & Design

S : For high speed  
 M : For high impedance type  
 T : For Low speed

#### (3) Dimension

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

#### (4) Impedance (at 100MHz)

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

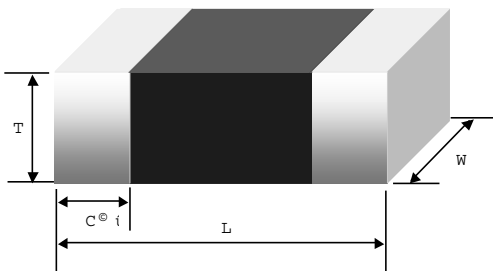
#### (5) Termination

J : Nickel barrier

#### (6) Packaging

B : Bulk package  
 T : Tape & Reel (Φ178mm [ 7 inches ])  
 L : Tape & Reel (Φ254mm [ 10 inches ])

### Shape and Dimensions



Unit : mm [inches]

| Type        | L                       | W                       | T                       | C                        |
|-------------|-------------------------|-------------------------|-------------------------|--------------------------|
| SHH-1□1608- | 1.6±0.15<br>(.063±.006) | 0.8±0.15<br>(.031±.006) | 0.8±0.15<br>(.031±.006) | 0.30±0.20<br>(.012±.008) |

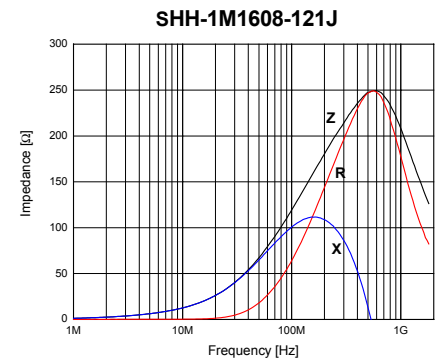
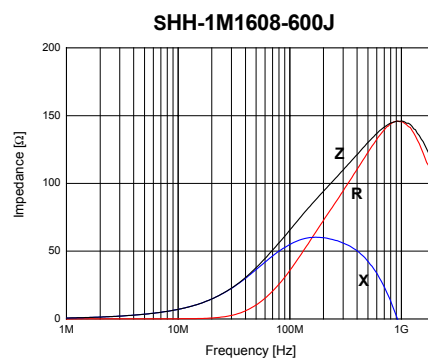
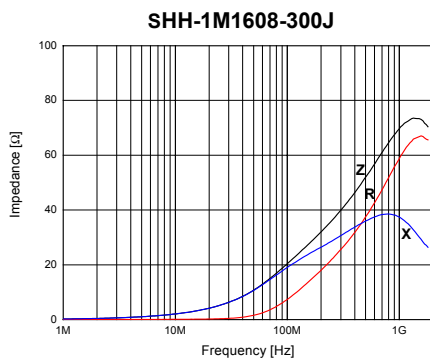
### Electrical Parameters

| Part No.         | IZI at 100MHz( $\Omega$ ) |      | DC Resistance ( $\Omega$ ) max. | Rated current (mA) max. |
|------------------|---------------------------|------|---------------------------------|-------------------------|
|                  | Typ.                      | min. |                                 |                         |
| SHH-1M1608-300□□ | 30                        | 22   | 0.06                            | 2000                    |
| SHH-1M1608-600□□ | 60                        | 45   | 0.09                            | 1600                    |
| SHH-1M1608-121□□ | 120                       | 90   | 0.14                            | 1100                    |
| SHH-1M1608-221□□ | 220                       | 165  | 0.20                            | 1000                    |
| SHH-1M1608-301□□ | 300                       | 225  | 0.30                            | 900                     |
| SHH-1M1608-501□□ | 500                       | 375  | 0.35                            | 800                     |
| SHH-1M1608-601□□ | 600                       | 450  | 0.35                            | 750                     |
| SHH-1M1608-801□□ | 800                       | 600  | 0.50                            | 650                     |
| SHH-1M1608-102□□ | 1000                      | 750  | 0.50                            | 550                     |
| SHH-1S1608-100□□ | 10                        | 7.5  | 0.05                            | 1500                    |
| SHH-1S1608-200□□ | 20                        | 15   | 0.06                            | 1400                    |
| SHH-1S1608-300□□ | 30                        | 22   | 0.10                            | 1300                    |
| SHH-1S1608-400□□ | 40                        | 30   | 0.12                            | 1300                    |
| SHH-1S1608-550□□ | 55                        | 42   | 0.15                            | 1100                    |
| SHH-1S1608-800□□ | 80                        | 60   | 0.18                            | 1000                    |
| SHH-1S1608-121□□ | 120                       | 90   | 0.20                            | 1000                    |
| SHH-1S1608-221□□ | 220                       | 165  | 0.35                            | 800                     |
| SHH-1T1608-260□□ | 26                        | 20   | 0.05                            | 2000                    |
| SHH-1T1608-300□□ | 30                        | 22   | 0.05                            | 2000                    |
| SHH-1T1608-800□□ | 80                        | 60   | 0.10                            | 1600                    |
| SHH-1T1608-121□□ | 120                       | 90   | 0.15                            | 1100                    |
| SHH-1T1608-221□□ | 220                       | 165  | 0.20                            | 1000                    |
| SHH-1T1608-301□□ | 300                       | 225  | 0.30                            | 900                     |
| SHH-1T1608-331□□ | 330                       | 250  | 0.30                            | 800                     |
| SHH-1T1608-601□□ | 600                       | 450  | 0.40                            | 650                     |
| SHH-1T1608-102□□ | 1000                      | 750  | 0.50                            | 550                     |

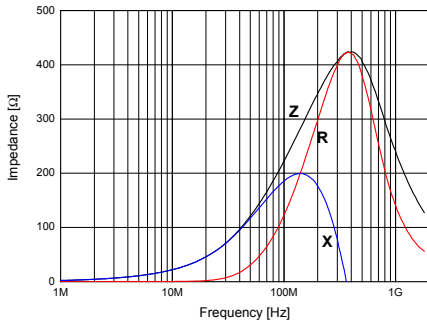
※ Parts with other electrical characteristics available upon request.

※ Test equipment : HP4291 + HP16192A

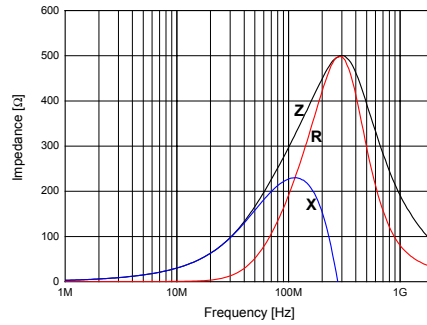
### Electrical Characteristic Curves



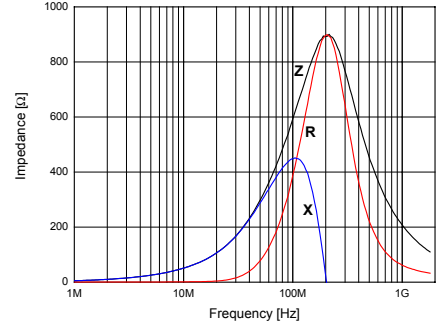
**SHH-1M1608-221J**



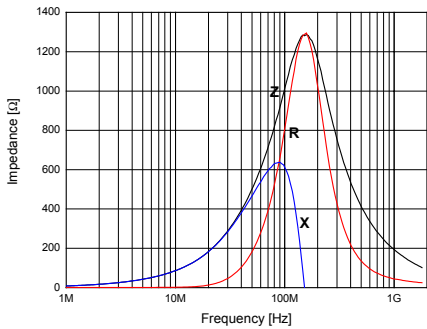
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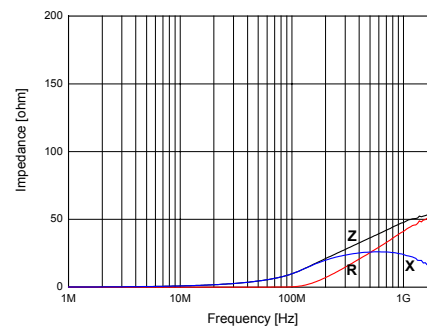
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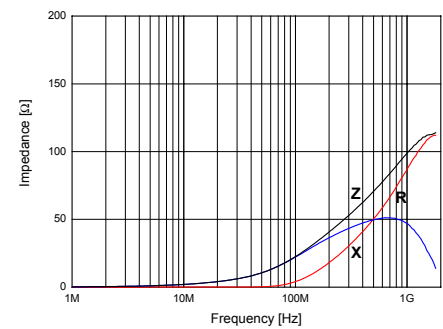
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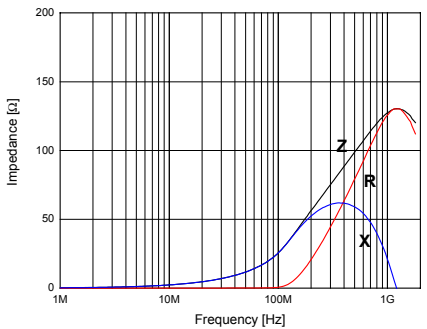
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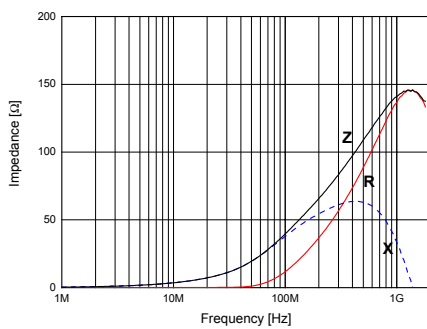
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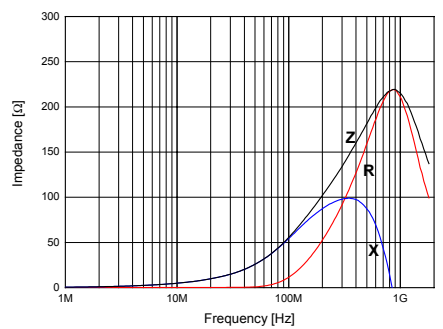
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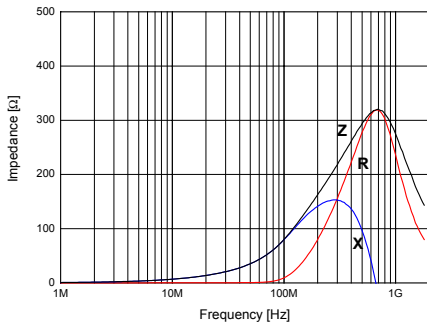
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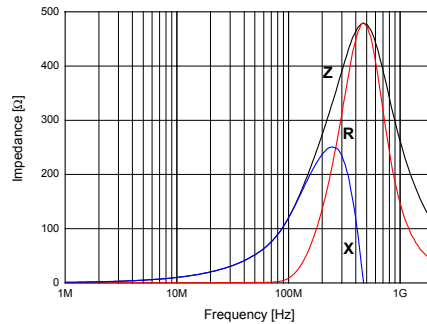
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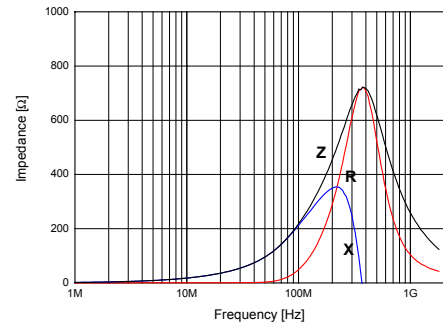
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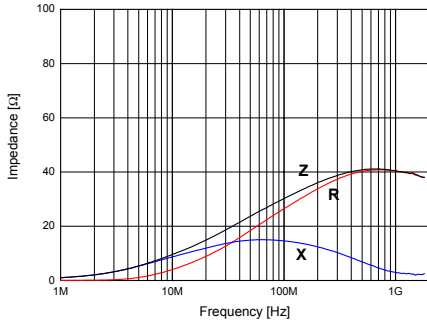
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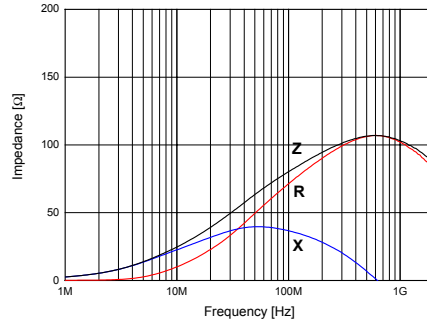
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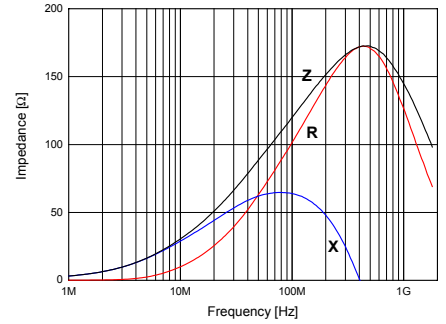
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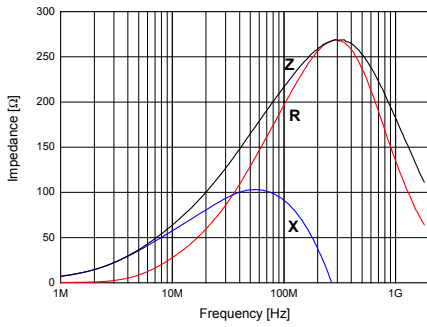
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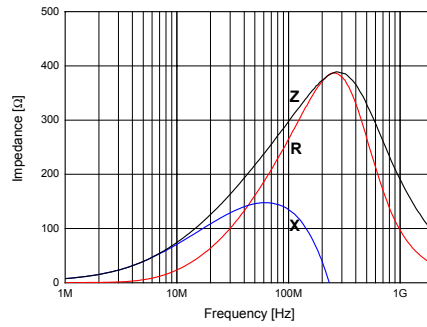
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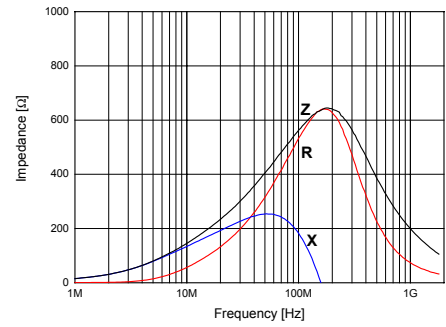
**SHH-1T1608-221J**



**SHH-1T1608-301J**



**SHH-1T1608-601J**



**SHH-1T1608-102J**

