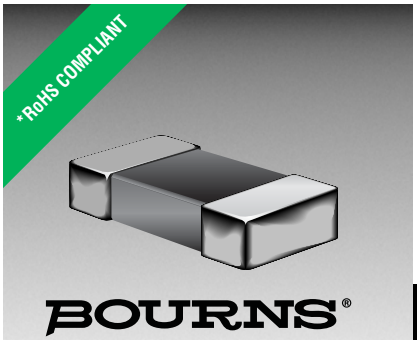



## Features

- High resistance to heat and humidity
- Resistance to mechanical shock and pressure
- Accurate dimensions for automatic surface mounting
- Wide impedance range
- RoHS compliant*

## Applications

- Power supply lines
- IC power lines
- Signal lines

# MH Series High Current Chip Ferrite Beads

### Electrical Specifications

| Model Number | Impedance (Ω) at 100 MHz | RDC (mΩ) Max. | IDC (A) Max. |
|---|---|---|---|
| MH4532-700Y | 70 ±25 % | 30 | 6.0 |
| MH4532-800Y | 80 ±25 % | 10 | 6.0 |
| MH4532-121Y | 120 ±25 % | 50 | 3.0 |
| MH4532-131Y | 130 ±25 % | 40 | 3.0 |
| MH4532-151Y | 150 ±25 % | 20 | 5.0 |
| MH4532-681Y | 680 ±25 % | 30 | 4.0 |
| MH4532-132Y | 1300 ±25 % | 60 | 3.0 |
| MH4516-600Y | 60 ±25 % | 10 | 6.0 |
| MH4516-750Y | 75 ±25 % | 25 | 3.0 |
| MH4516-800Y | 80 ±25 % | 50 | 3.0 |
| MH4516-102Y | 1000 ±25 % | 150 | 1.5 |
| MH3261-190Y | 19 ±25 % | 40 | 3.0 |
| MH3261-260Y | 26 ±25 % | 40 | 3.0 |
| MH3261-310Y | 31 ±25 % | 40 | 3.0 |
| MH3261-500Y | 50 ±25 % | 25 | 3.0 |
| MH3261-700Y | 70 ±25 % | 30 | 4.0 |
| MH3261-800Y | 80 ±25 % | 30 | 4.0 |
| MH3261-900Y | 90 ±25 % | 40 | 3.0 |
| MH3261-101Y | 100 ±25 % | 30 | 4.0 |
| MH3261-121Y | 120 ±25 % | 100 | 2.0 |
| MH3261-151Y | 150 ±25 % | 100 | 2.0 |
| MH3261-301Y | 300 ±25 % | 200 | 1.0 |
| MH3261-471Y | 470 ±25 % | 200 | 1.0 |
| MH3261-501Y | 500 ±25 % | 40 | 3.0 |
| MH3261-601Y | 600 ±25 % | 100 | 2.0 |
| MH2029-070Y | 7 ±25 % | 30 | 3.0 |
| MH2029-100Y | 10 ±25 % | 10 | 6.0 |
| MH2029-300Y | 30 ±25 % | 25 | 3.0 |
| MH2029-400Y | 40 ±25 % | 20 | 5.0 |
| MH2029-600Y | 60 ±25 % | 20 | 5.0 |
| MH2029-800Y | 80 ±25 % | 40 | 3.0 |
| MH2029-101Y | 100 ±25 % | 100 | 2.0 |
| MH2029-121Y | 120 ±25 % | 100 | 2.0 |
| MH2029-151Y | 150 ±25 % | 100 | 2.0 |
| MH2029-221Y | 220 ±25 % | 100 | 2.0 |
| MH2029-301Y | 300 ±25 % | 200 | 1.0 |
| MH2029-401Y | 400 ±25 % | 100 | 2.0 |
| MH2029-471Y | 470 ±25 % | 200 | 1.0 |
| MH2029-601Y | 600 ±25 % | 200 | 1.0 |
| MH1608-100Y | 10 ±25 % | 100 | 6.0 |
| MH1608-300Y | 30 ±25 % | 60 | 3.0 |
| MH1608-600Y | 60 ±25 % | 40 | 3.0 |
| MH1608-800Y | 80 ±25 % | 40 | 3.0 |
| MH1608-101Y | 100 ±25 % | 40 | 3.0 |
| MH1608-121Y | 120 ±25 % | 100 | 2.0 |
| MH1608-151Y | 150 ±25 % | 100 | 2.0 |
| MH1608-221Y | 220 ±25 % | 100 | 2.0 |
| MH1608-301Y | 300 ±25 % | 200 | 1.0 |
| MH1608-471Y | 470 ±25 % | 200 | 1.0 |
| MH1608-601Y | 600 ±25 % | 200 | 1.0 |

### General Specifications

Operating Temperature
.....-55 °C to +125 °C
Storage Temperature
.....-55 °C to +125 °C
Storage Condition
.....+40 °C max. at 70 % RH
Reflow Soldering .. 230 °C, 50 sec. max.
Resistance to Soldering Heat
..... +260 °C, 5 seconds
Rated Current.....Based on max
.....temperature rise of +40 °C
Terminal Strength
(Force "F" applied for 30 seconds)
4532 Series.....1.5 F (Kg)
4516 Series.....1.0 F (Kg)
3261 Series.....1.0 F (Kg)
2029 Series.....0.6 F (Kg)
1608 Series.....0.5 F (Kg)

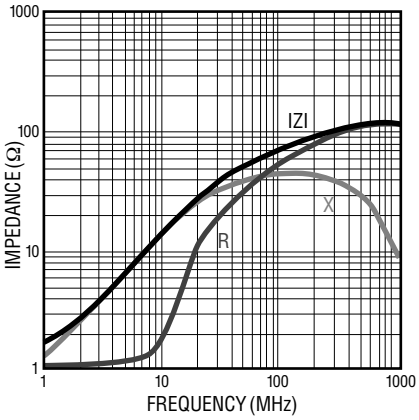
### Materials

Core Material.....Ferrite
Internal Conductor.....Ag or Ag/Pd
Terminal.....Ag/Ni/Sn

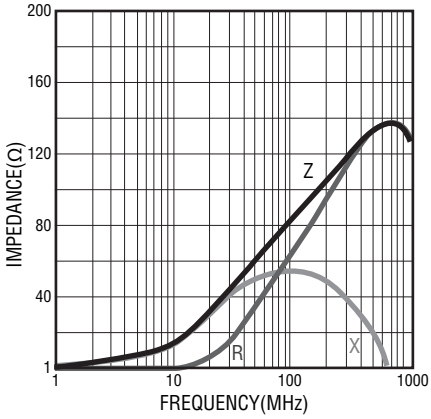
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

## Electrical Specifications (continued)

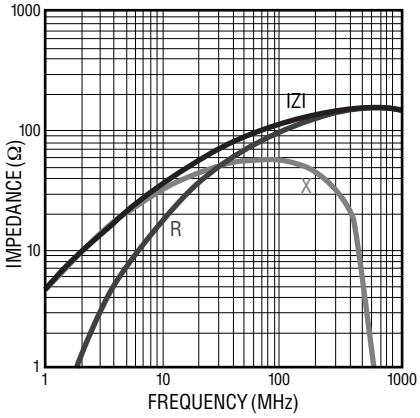
**MH 4532- 700Y**



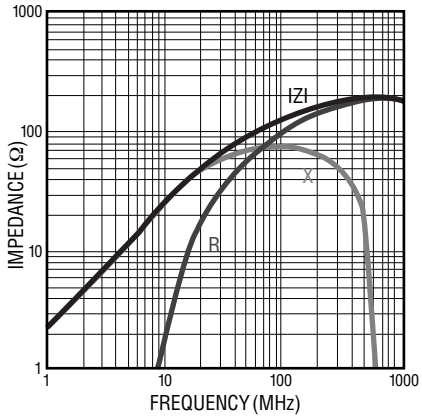

**MH 4532- 800Y**



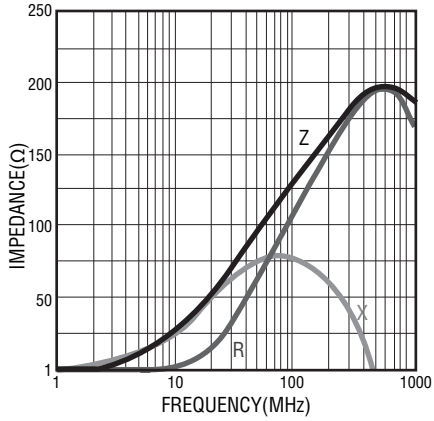

**MH 4532- 121Y**



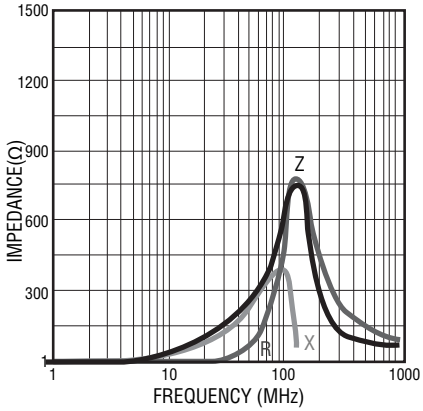

**MH 4532- 131Y**



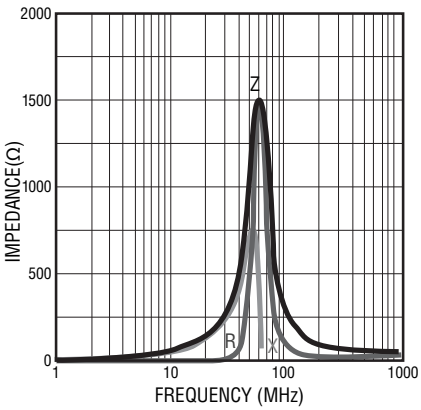

**MH 4532- 151Y**



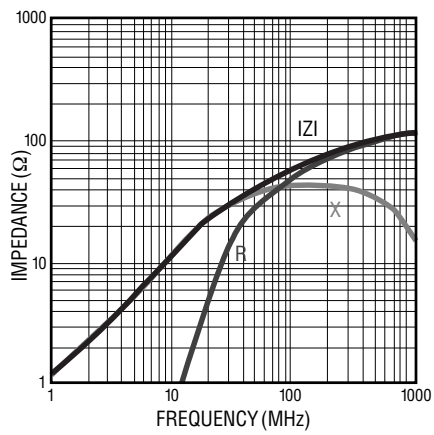

**MH 4532- 681Y**



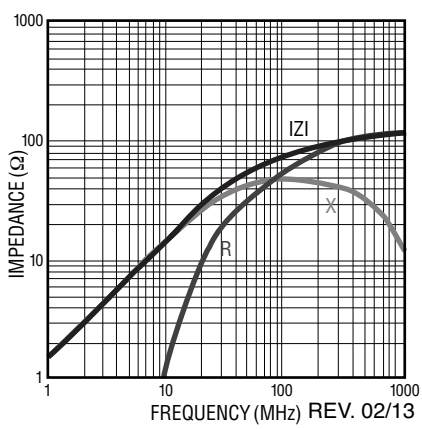

**MH 4532- 132Y**




**MH 4516- 600Y**



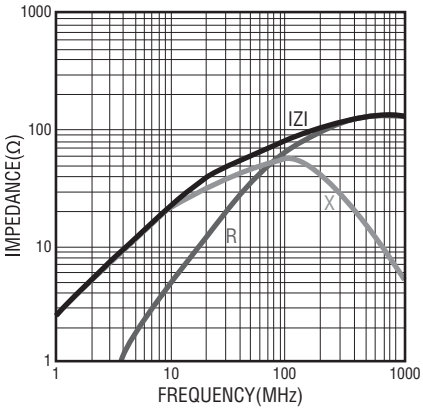

**MH 4516- 750Y**



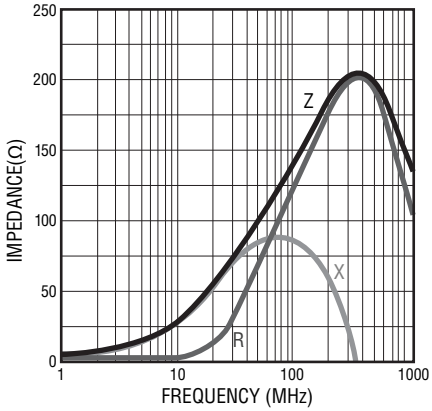

REV. 02/13

## Electrical Specifications (continued)

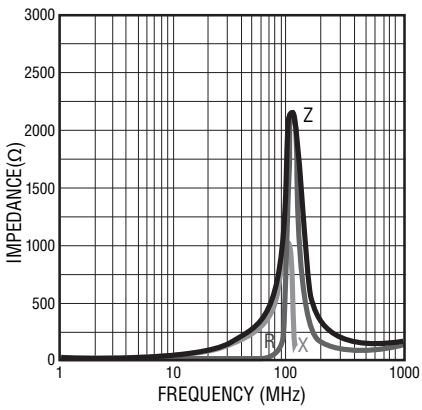
**MH 4516- 800Y**



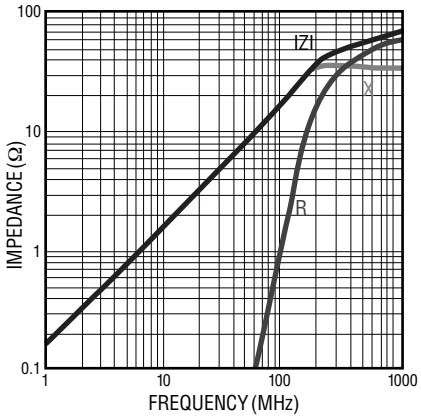

**MH 4516- 101Y**



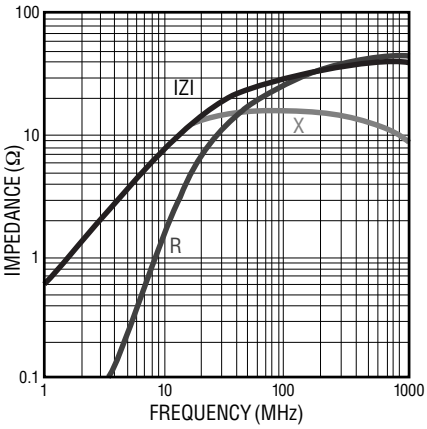

**MH 4516- 102Y**



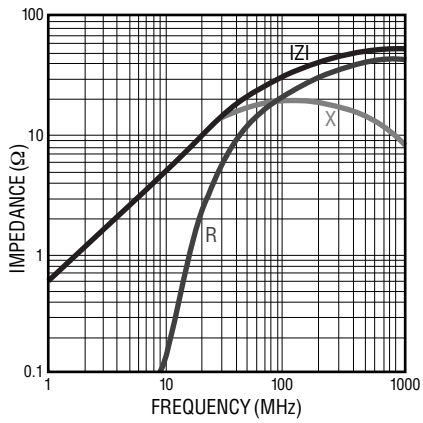

**MH 3261- 190Y**



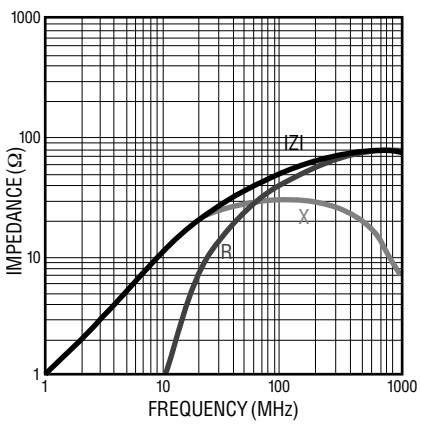

**MH 3261- 260Y**



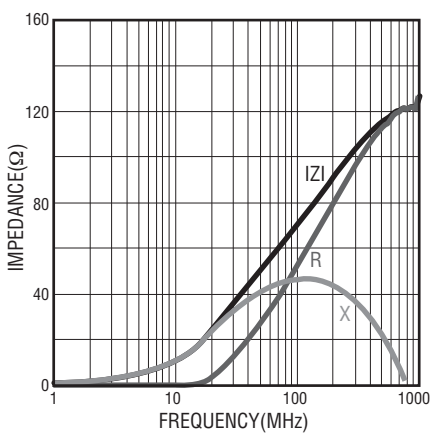

**MH 3261- 310Y**



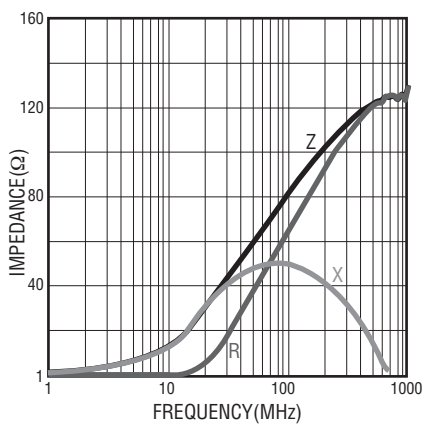

**MH 3261- 500Y**




**MH 3261- 700Y**

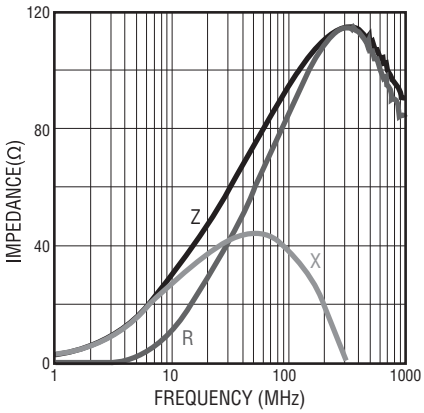



**MH 3261- 800Y**

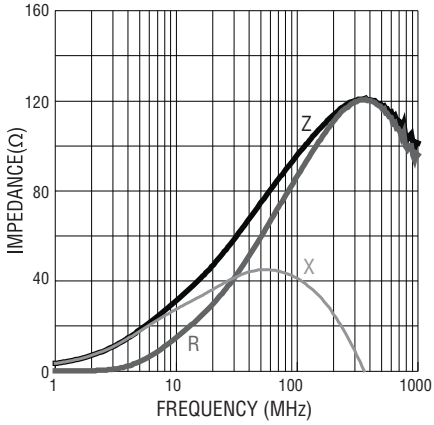


## Electrical Specifications (continued)

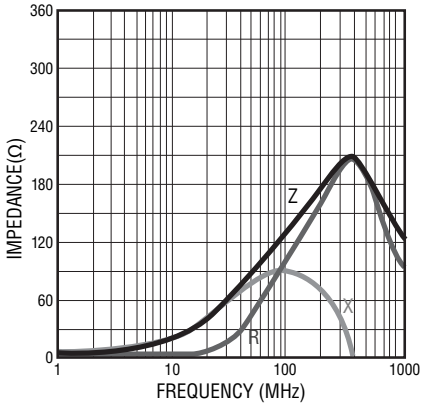
**MH 3261- 900Y**



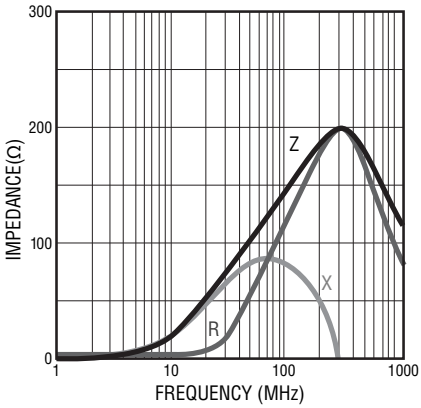

**MH 3261- 101Y**



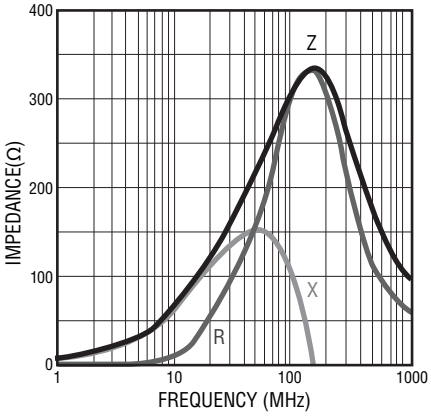

**MH 3261- 121Y**



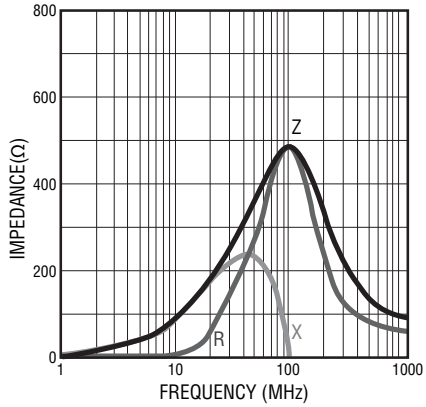

**MH 3261- 151Y**



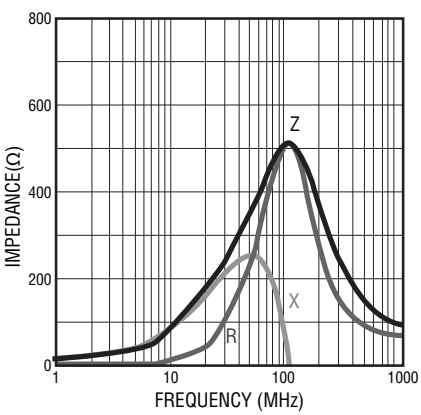

**MH 3261- 301Y**



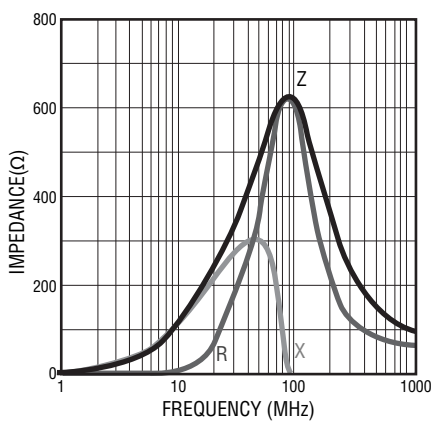

**MH 3261- 471Y**



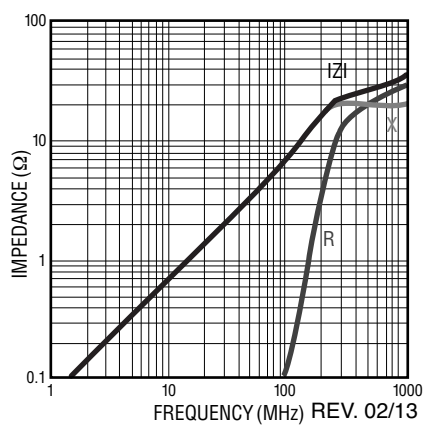

**MH 3261- 501Y**




**MH 3261- 601Y**



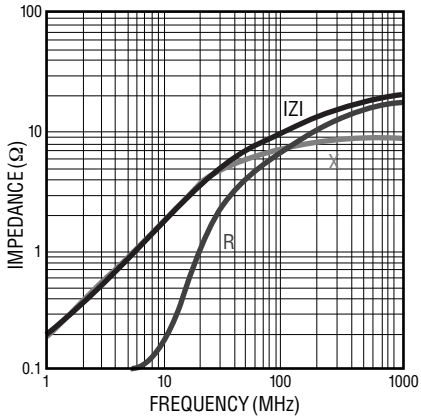

**MH 2029- 070Y**



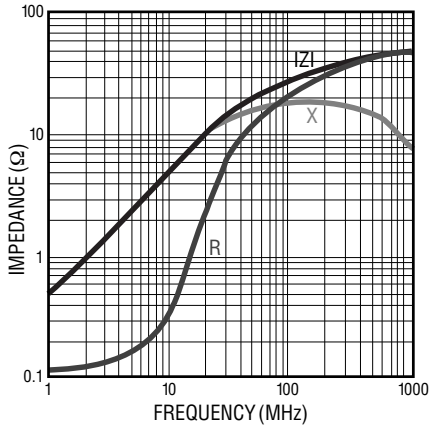

REV. 02/13

## Electrical Specifications (continued)

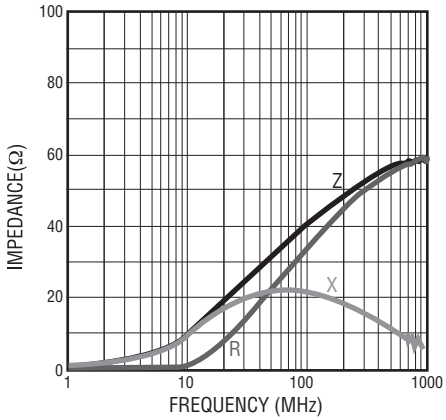
**MH 2029- 100Y**



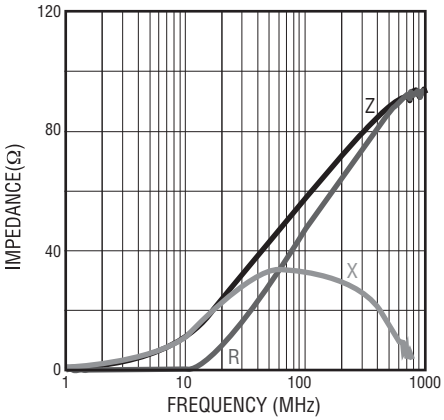

**MH 2029- 300Y**



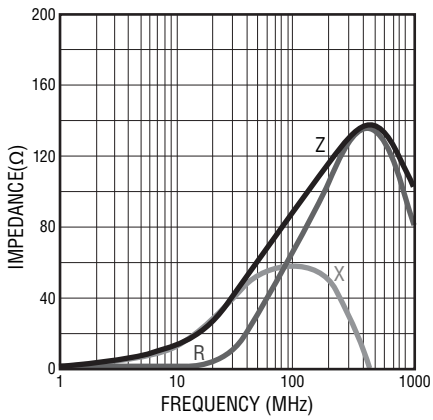

**MH 2029 -400Y**



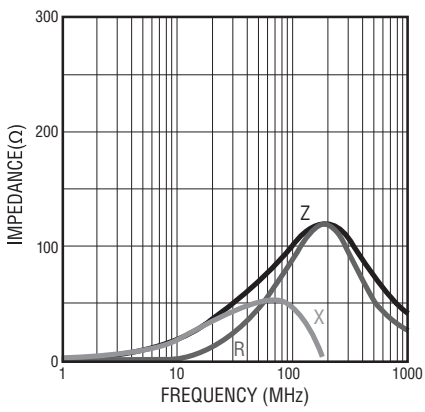

**MH 2029 -600Y**



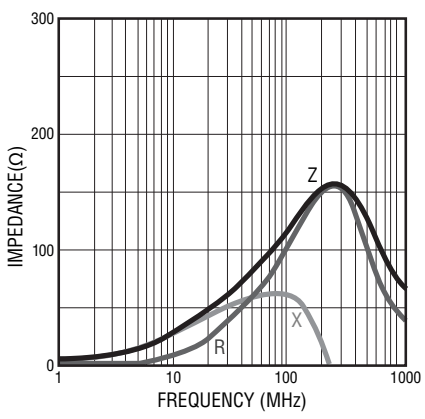

**MH 2029- 800Y**



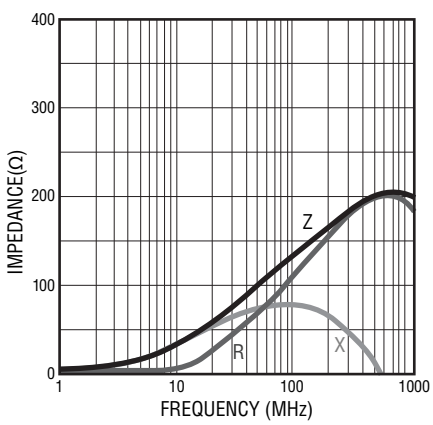

**MH 2029- 101Y**



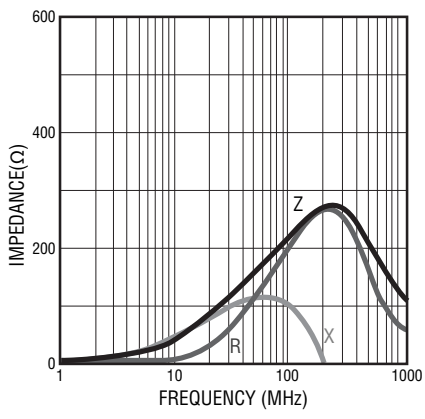

**MH 2029- 121Y**




**MH 2029- 151Y**

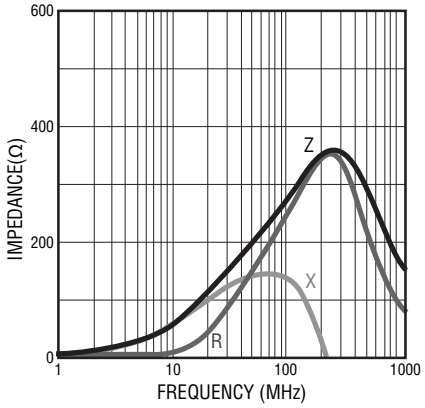



**MH 2029- 221Y**

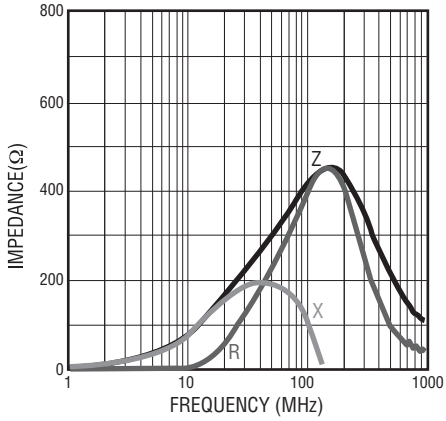


## Electrical Specifications (continued)

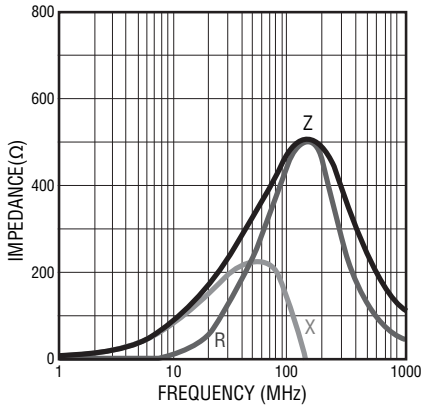
**MH 2029- 301Y**



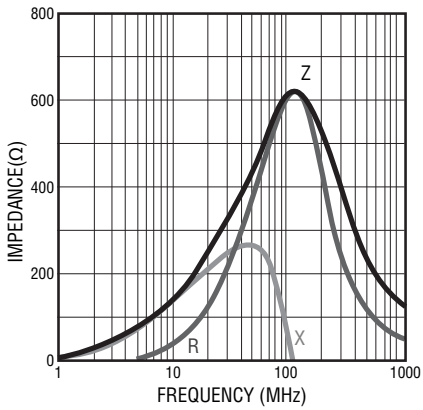

**MH 2029 -401Y**



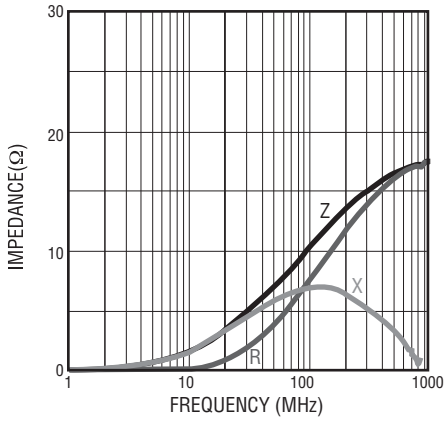

**MH 2029- 471Y**



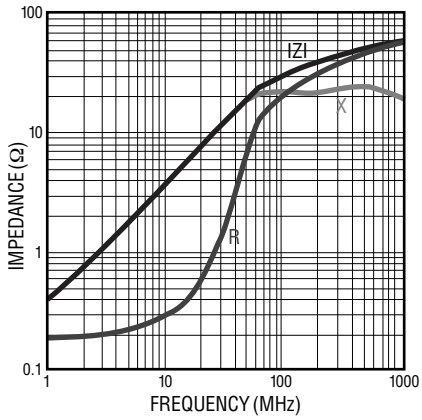

**MH 2029- 601Y**



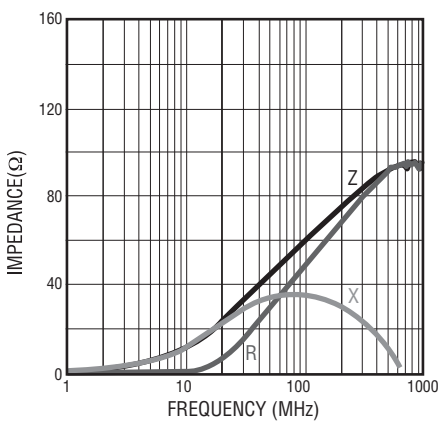

**MH 1608 -100Y**



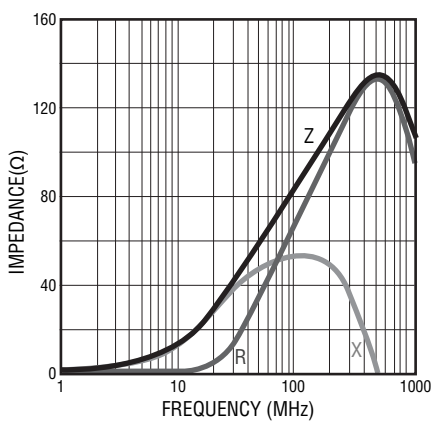

**MH 1608- 300Y**



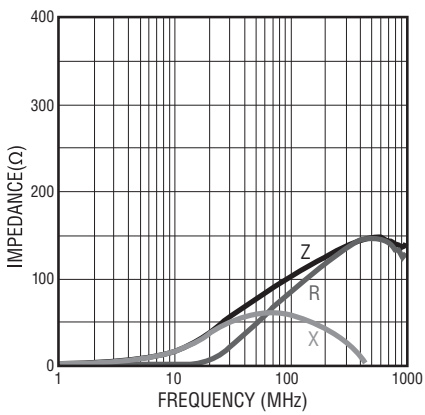

**MH 1608 -600Y**




**MH 1608- 800Y**

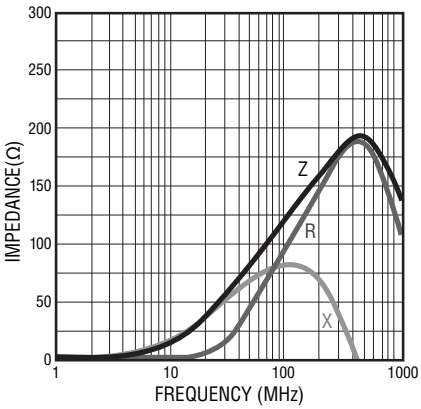



**MH 1608- 101Y**

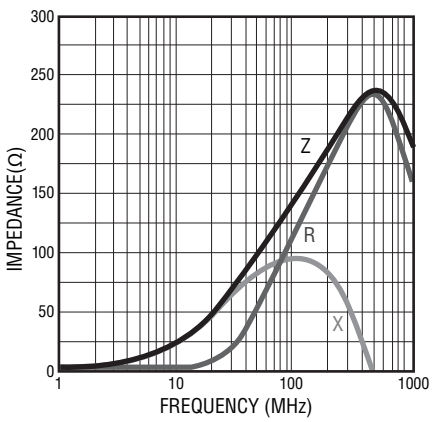


## Electrical Specifications (continued)

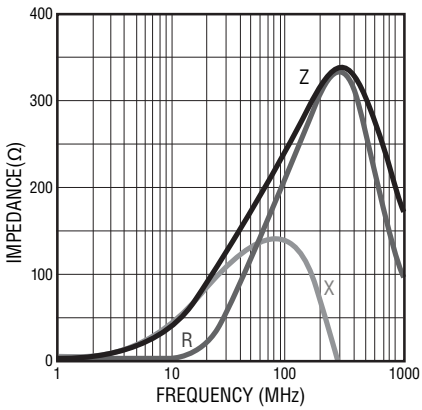
**MH 1608- 121Y**



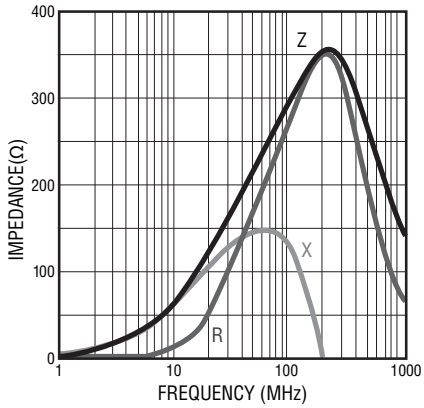

**MH 1608- 151Y**



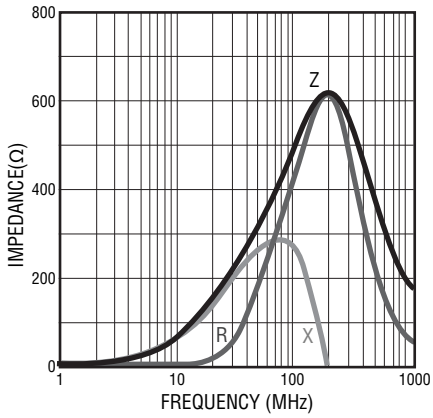

**MH 1608- 221Y**



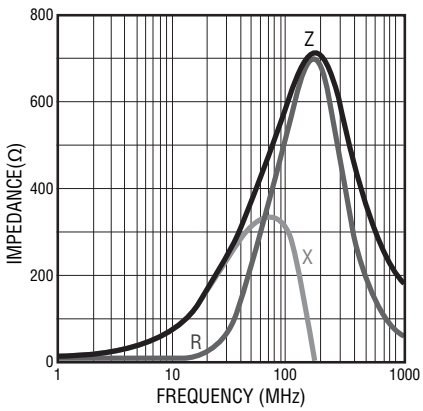

**MH 1608- 301Y**



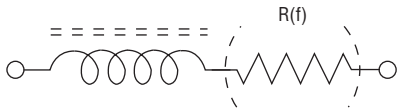

**MH 1608- 471Y**



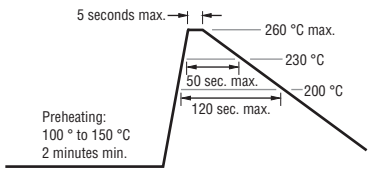

**MH 1608- 601Y**




## Equivalent Circuit



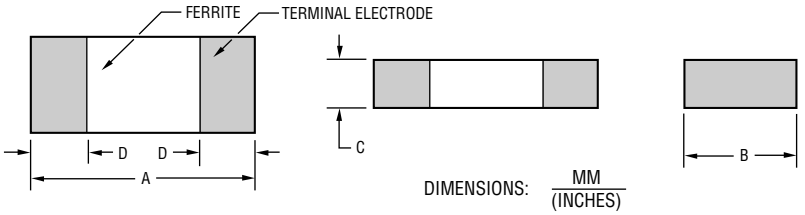

## Recommended Soldering



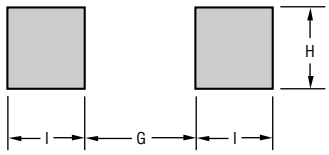
# MH Series High Current Chip Ferrite Beads

BOURNS®

## Product Dimensions

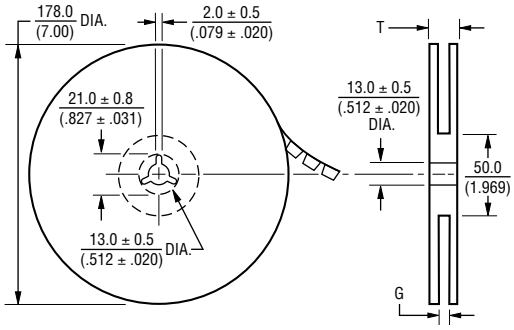


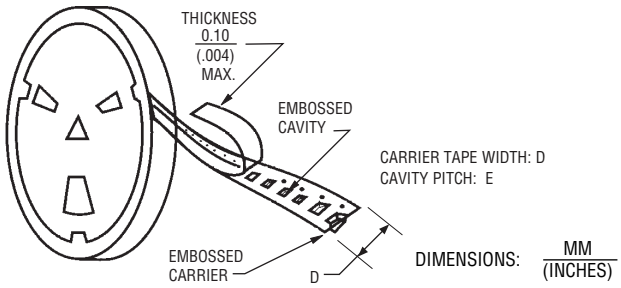

## Recommended Land Pattern




| Series | A | B | C | D | G | H | I |
|---|---|---|---|---|---|---|---|
| 4532 | 4.5 ± 0.2 (.177 ± .008) | 3.2 ± 0.2 (.126 ± .008) | 1.5 ± 0.2 (.059 ± .008) | 0.5 ± 0.2 (.020 ± .008) | 3.0 (.118) | 3.0 (.118) | 1.5 (.059) |
| 4516 | 4.5 ± 0.2 (.177 ± .008) | 1.6 ± 0.2 (.063 ± .008) | 1.6 ± 0.2 (.063 ± .008) | 0.5 ± 0.2 (.020 ± .008) | 3.0 (.118) | 1.4 (.055) | 1.5 (.059) |
| 3261 | 3.2 ± 0.2 (.126 ± .008) | 1.6 ± 0.2 (.063 ± .008) | 1.1 ± 0.2 (.043 ± .008) | 0.5 ± 0.2 (.020 ± .008) | 2.0 (.079) | 1.4 (.053) | 1.1 (.043) |
| 2029 | 2.0 ± 0.2 (.079 ± .008) | 1.2 ± 0.2 (.047 ± .008) | 0.9 ± 0.2 (.035 ± .008) | 0.5 ± 0.2 (.020 ± .008) | 1.0 (.040) | 1.0 (.040) | 1.0 (.040) |
| 1608 | 1.6 ± 0.2 (.063 ± .008) | 0.8 ± 0.2 (.031 ± .008) | 0.8 ± 0.2 (.031 ± .008) | 0.5 ± 0.2 (.020 ± .008) | 0.7 (.028) | 0.7 (.028) | 0.7 (.028) |

## Reel Dimensions




| Series | Pcs. per Reel | Gross Weight (g) | D | E | G | T |
|---|---|---|---|---|---|---|
| 4532 | 1,000 | 170 | 12.0 (.472) | 8.0 (.315) | 14.0 + 0 (.551 + 0) | 16.5 (.650) |
| 4516 | 2,000 | 180 | 12.0 (.472) | 8.0 (.315) | 14.0 + 0 (.551 + 0) | 16.5 (.650) |
| 3261 | 3,000 | 150 | 8.0 (.315) | 4.0 (.157) | 10.0 + 0 (.394 + 0) | 12.5 (.492) |
| 2029 | 4,000 | 120 | 8.0 (.315) | 4.0 (.157) | 10.0 + 0 (.394 + 0) | 12.5 (.492) |
| 1608 | 4,000 | 90 | 8.0 (.315) | 4.0 (.157) | 10.0 + 0 (.394 + 0) | 12.5 (.492) |

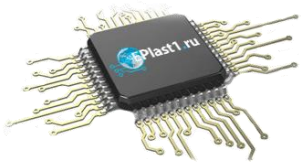
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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