BOURNS®

Features

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

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
MH3225-300Y	30 ±25 %	50	3.0
MH3225-520Y	52 ±25 %	50	3.0
MH3225-650Y	65 ±25 %	30	3.0
MH3225-900Y	90 ±25 %	100	2.0
MH3225-151Y	150 ±25 %	20	5.0
MH3225-201Y	200 ±25 %	30	4.0
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 seconds 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)
3225 Series .....1.0 F (Kg)
2029 Series .....0.6 F (Kg)
1608 Series .....0.5 F (Kg)

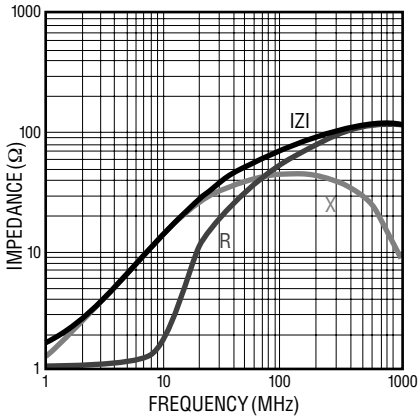
Materials

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

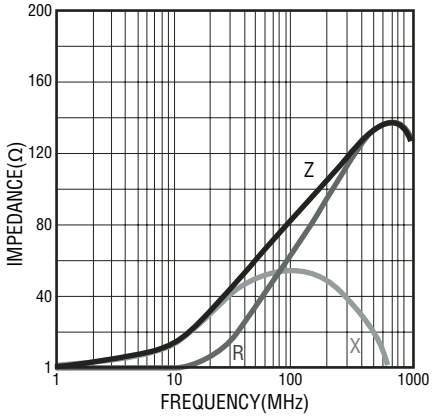
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Electrical Specifications (continued)

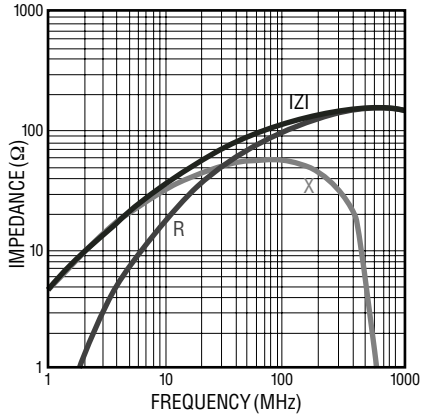
MH 4532- 700Y



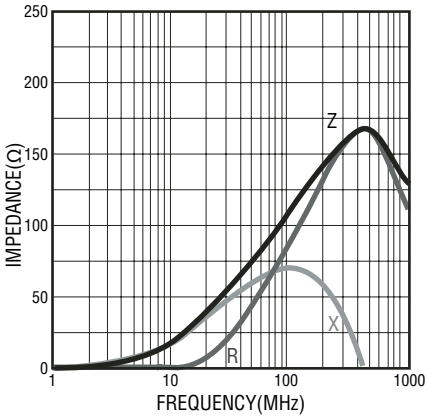
MH 4532- 800Y



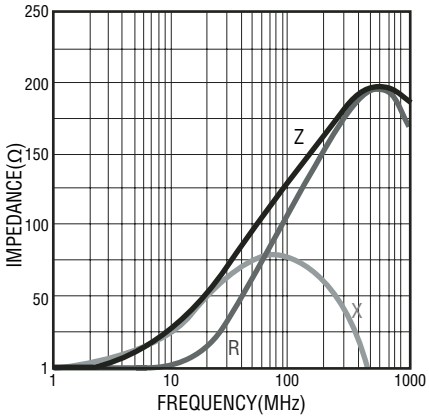
MH 4532- 121Y



MH 4532- 131Y



MH 4532- 151Y



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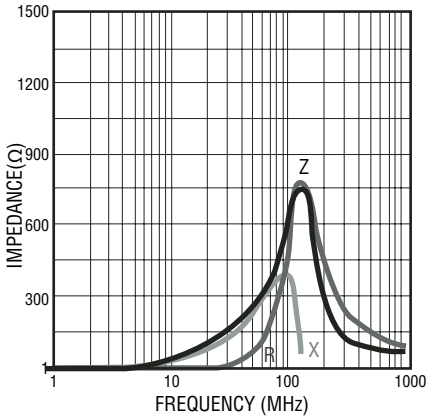
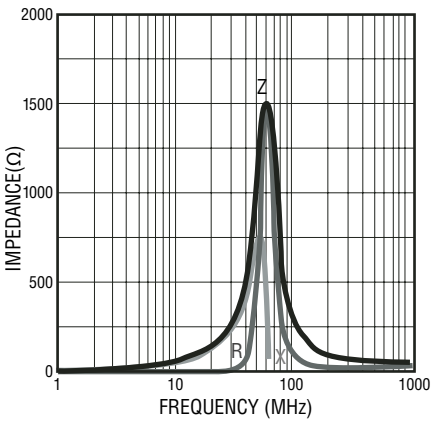
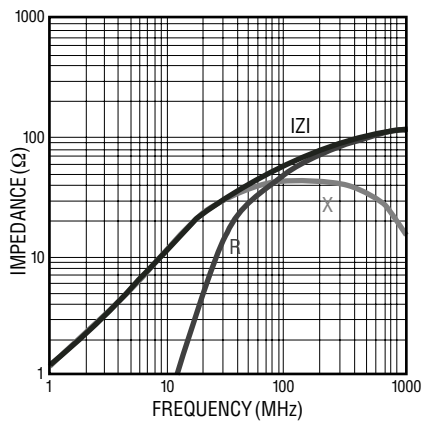


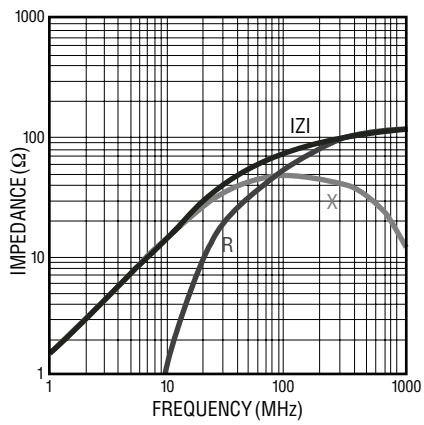
MH 4532- 132Y



MH 4516- 600Y



MH 4516- 750Y



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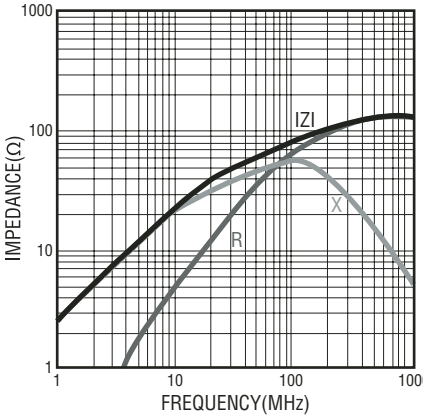
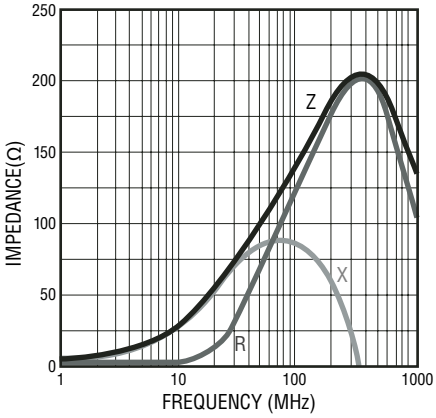
Electrical Specifications (continued)

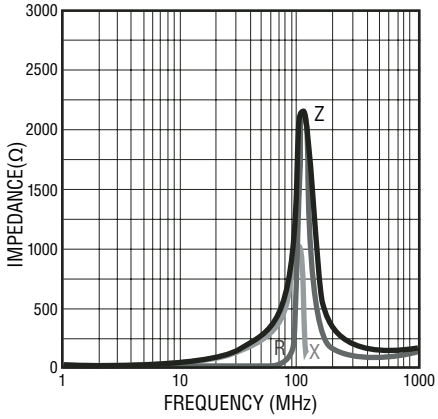
MH 4516- 800Y



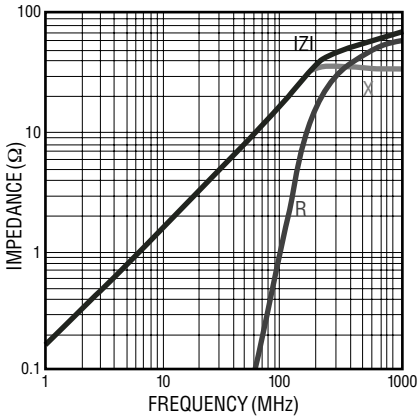
MH 4516- 101Y



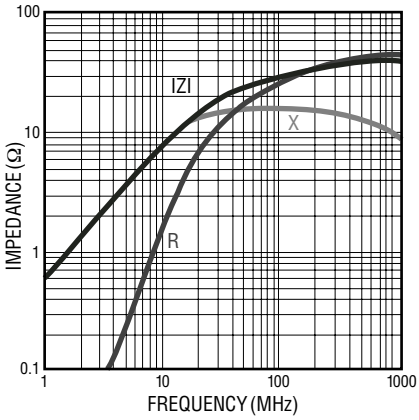
MH 4516- 102Y



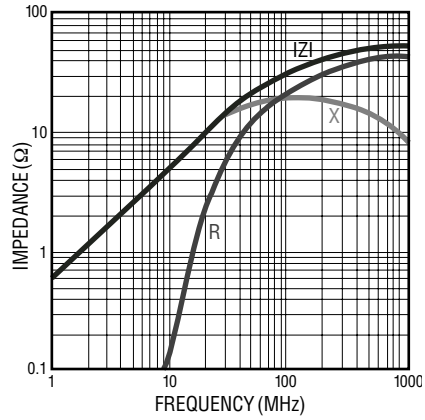
MH 3261- 190Y



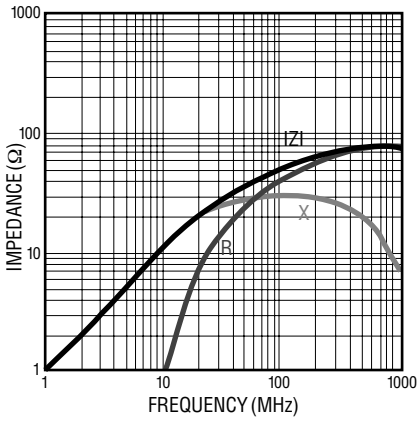
MH 3261- 260Y



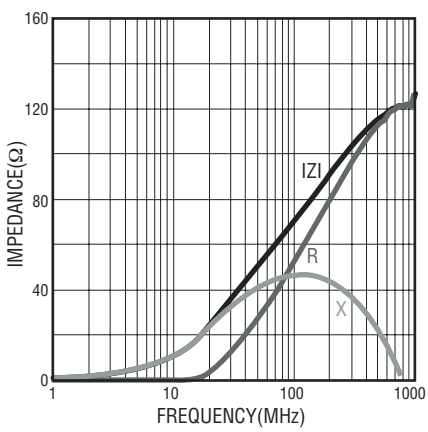
MH 3261- 310Y



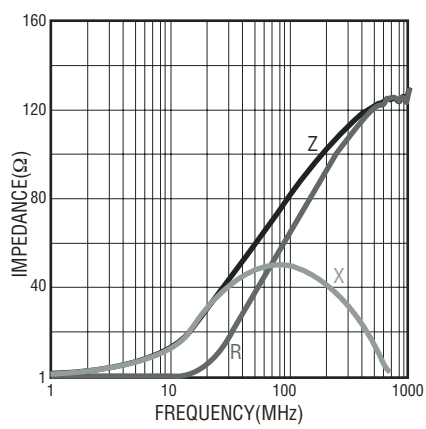
MH 3261- 500Y



MH 3261- 700Y

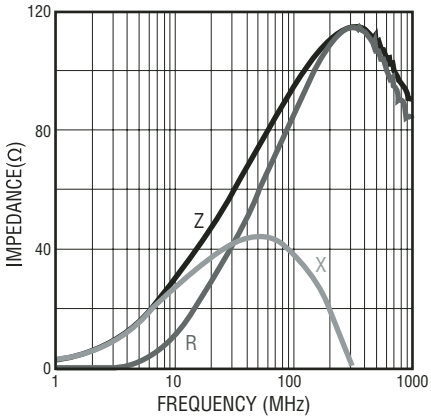


MH 3261- 800Y

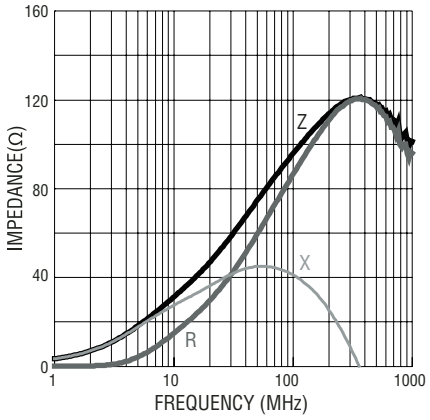


Electrical Specifications (continued)

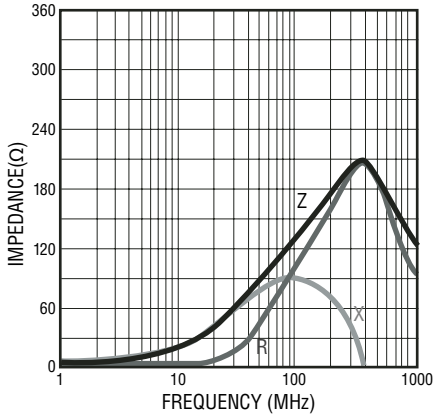
MH 3261- 900Y



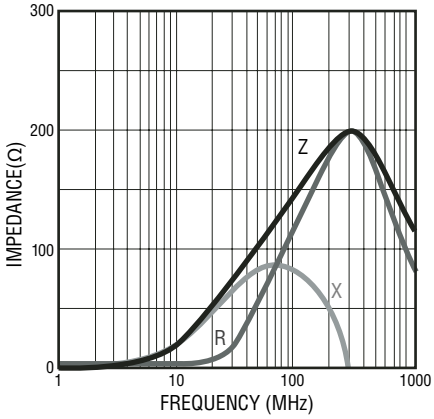
MH 3261- 101Y



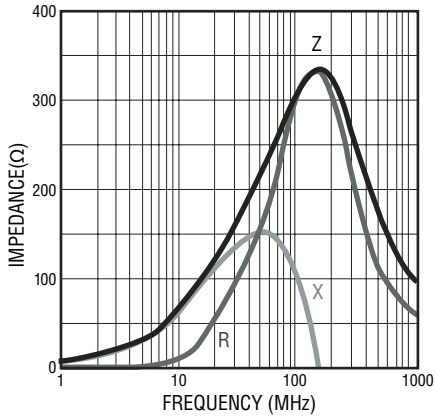
MH 3261- 121Y



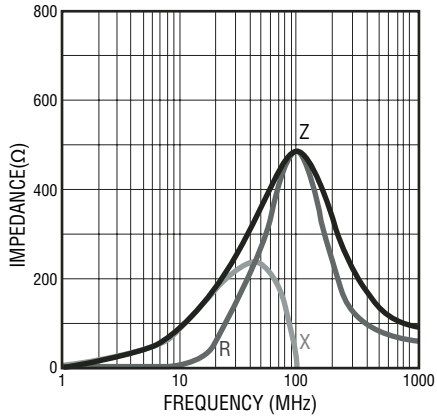
MH 3261- 151Y



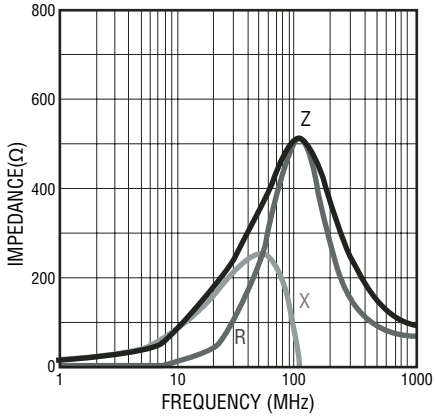
MH 3261- 301Y



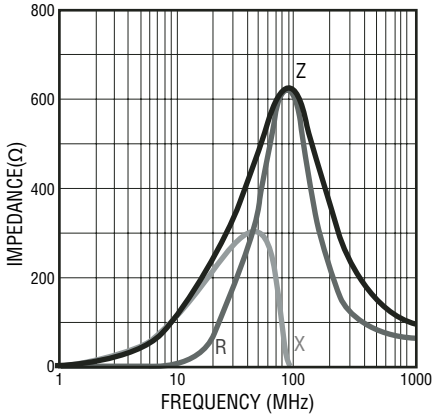
MH 3261- 471Y



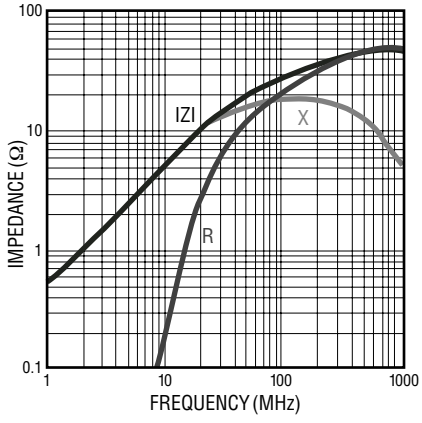
MH 3261- 501Y



MH 3261- 601Y



MH 3225- 300Y



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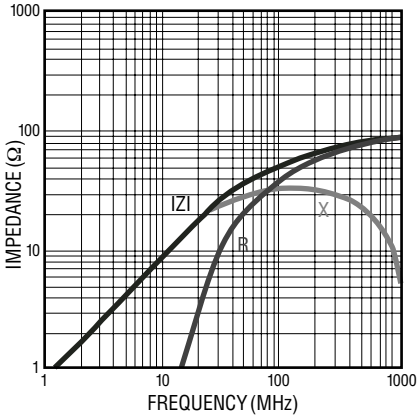
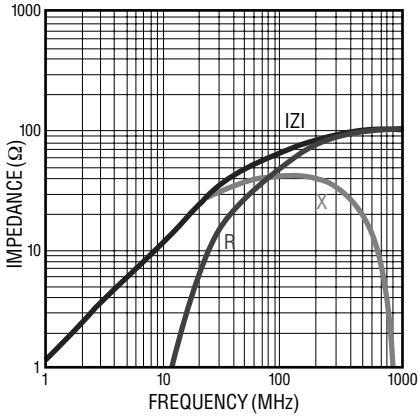
Electrical Specifications (continued)

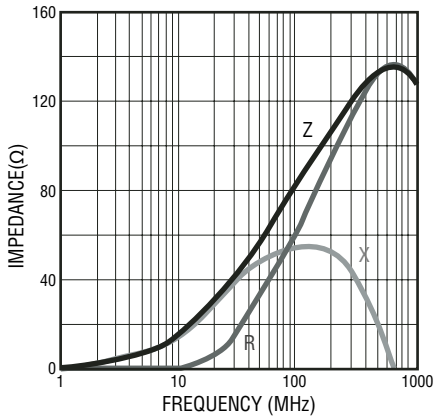
MH 3225- 520Y



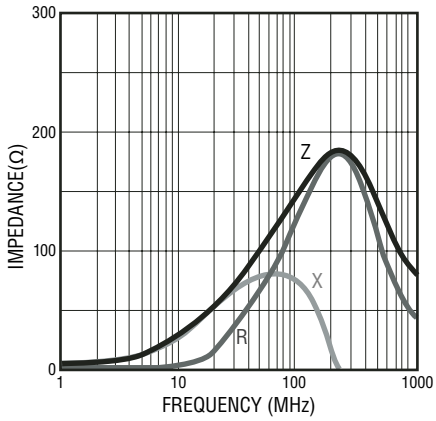
MH 3225- 650Y



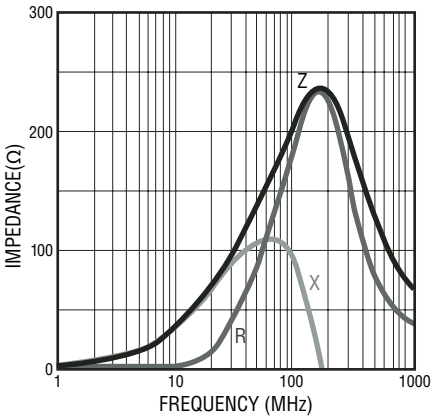
MH 3225- 900Y



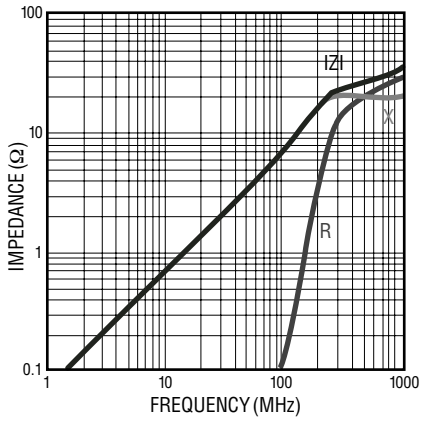
MH 3225- 151Y



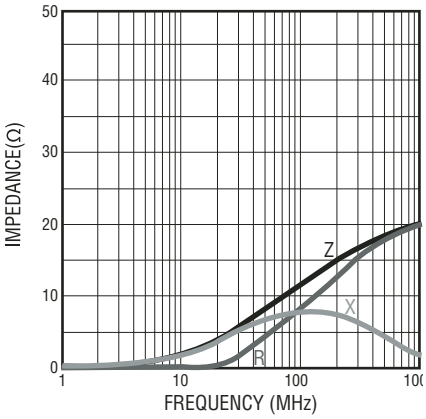
MH 3225- 201Y



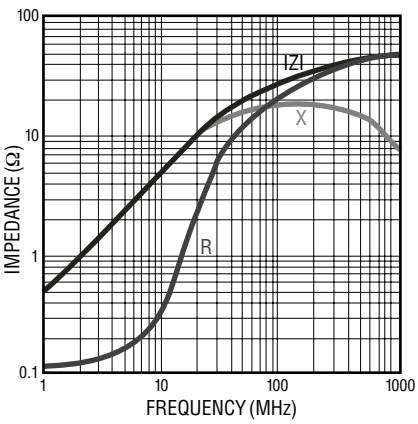
MH 2029- 070Y



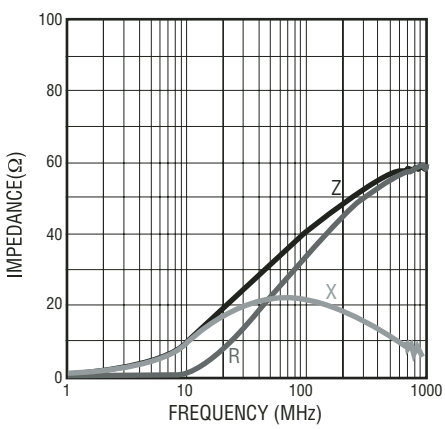
MH 2029- 100Y



MH 2029- 300Y

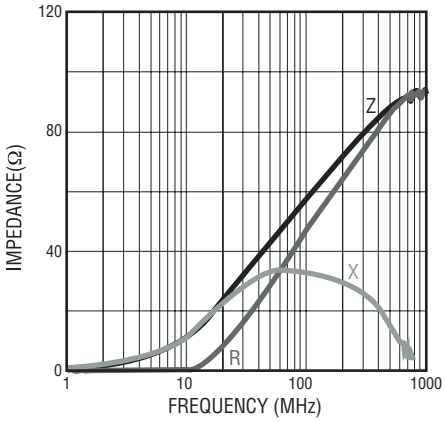


MH 2029 -400Y

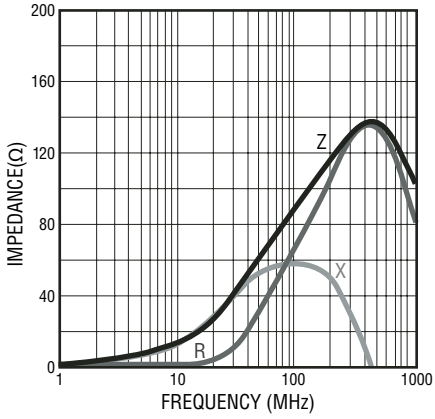


Electrical Specifications (continued)

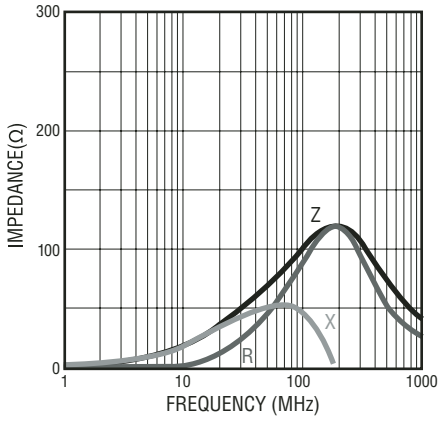
MH 2029 -600Y



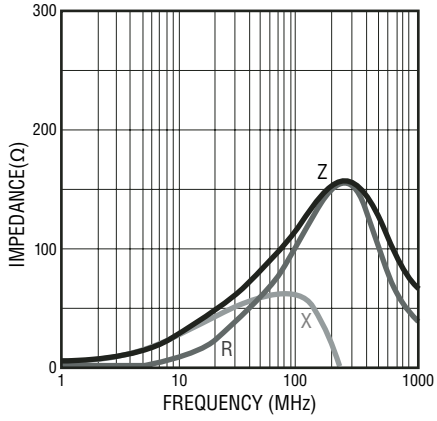
MH 2029- 800Y



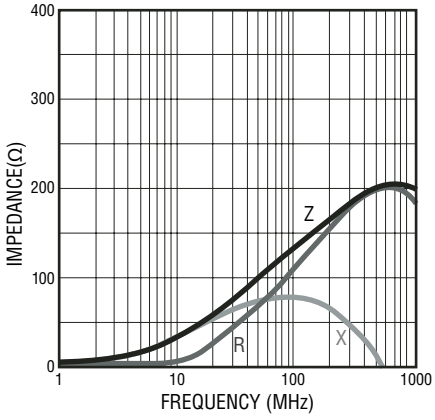
MH 2029- 101Y



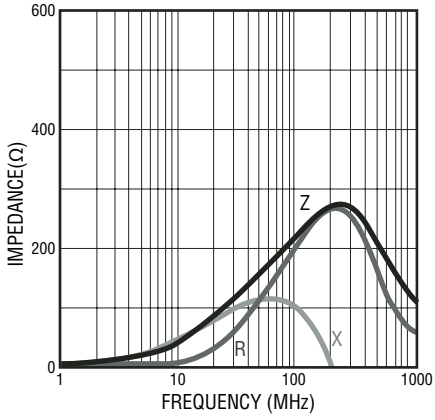
MH 2029- 121Y



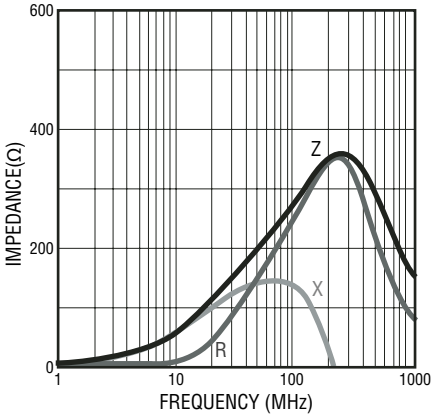
MH 2029- 151Y



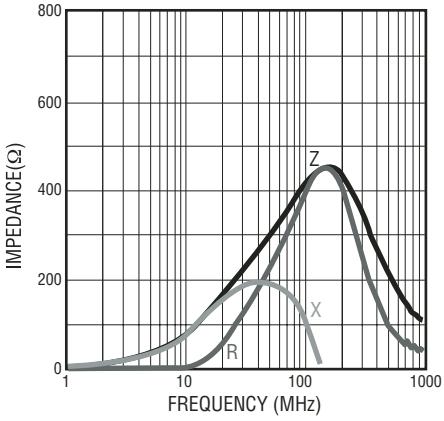
MH 2029- 221Y



MH 2029- 301Y



MH 2029 -401Y



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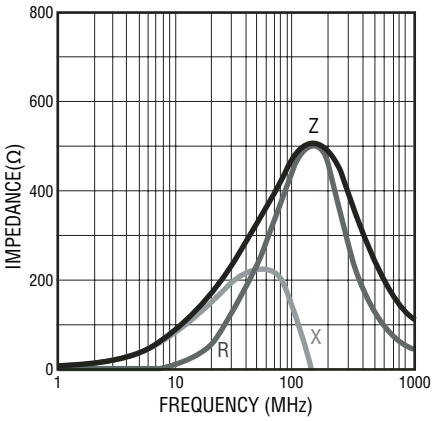

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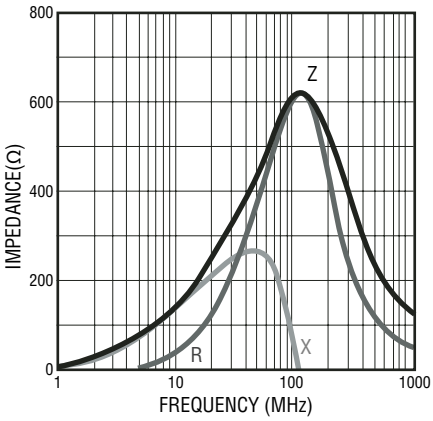
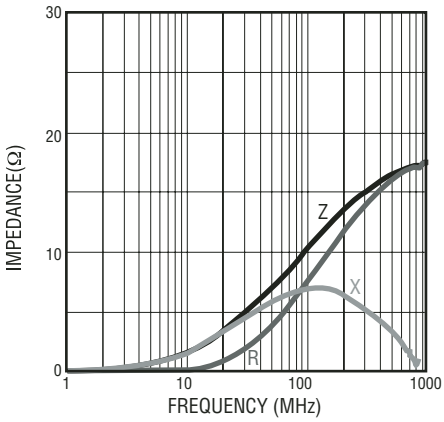
Electrical Specifications (continued)

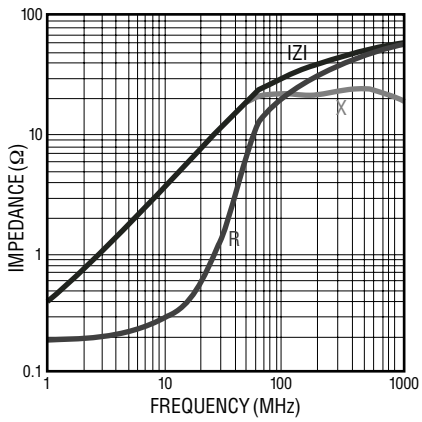
MH 2029- 601Y



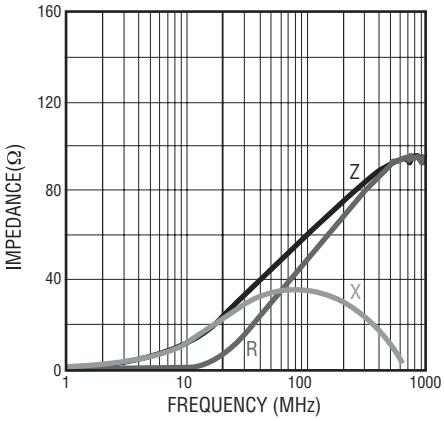
MH 1608 -100Y



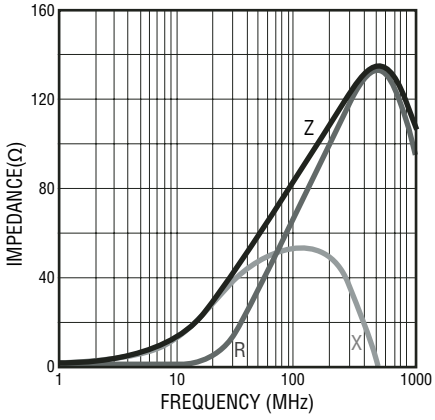
MH 1608- 300Y



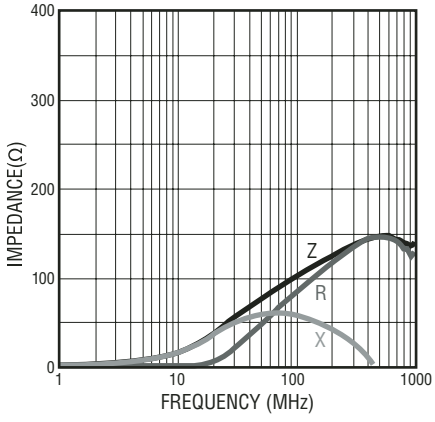
MH 1608 -600Y



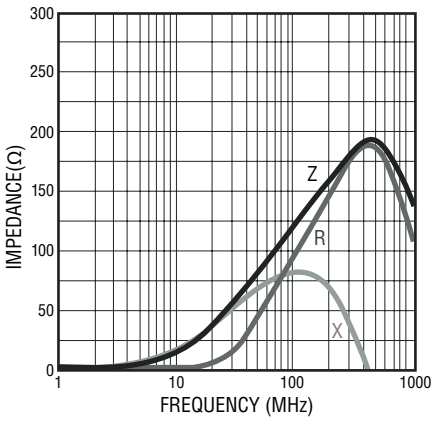
MH 1608- 800Y



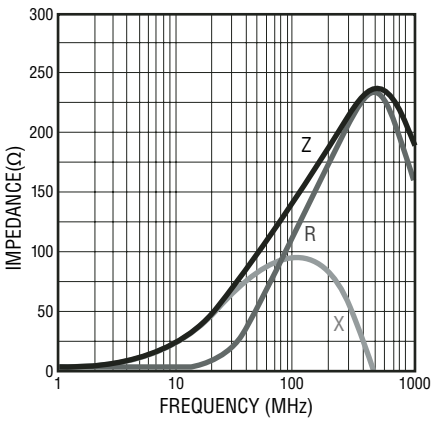
MH 1608- 101Y



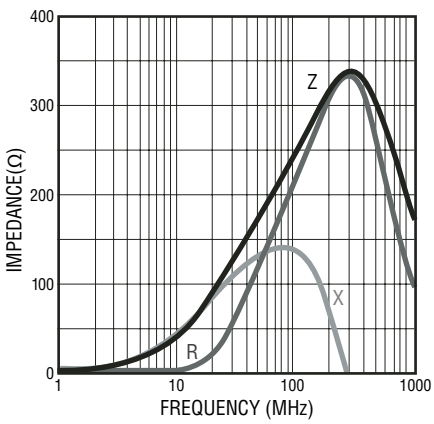
MH 1608- 121Y



MH 1608- 151Y

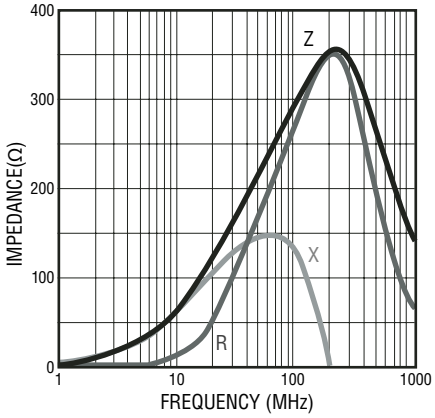


MH 1608- 221Y

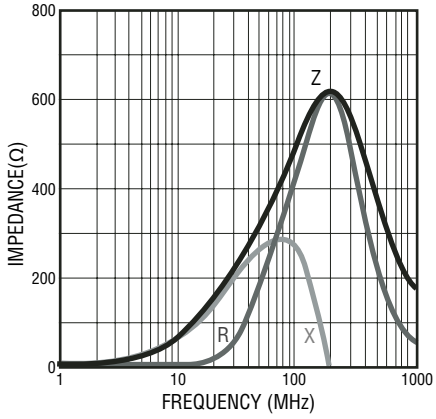


Electrical Specifications (continued)

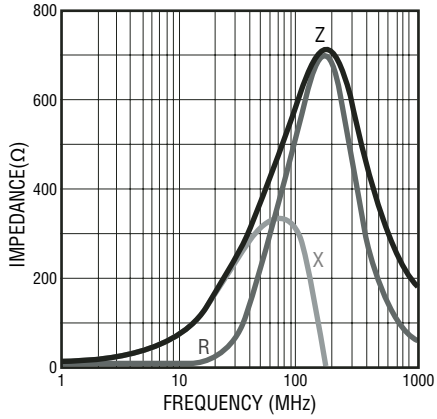
MH 1608- 301Y



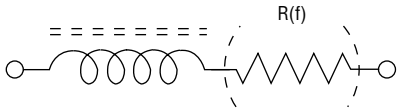
MH 1608- 471Y



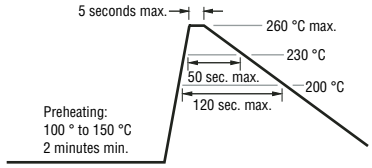
MH 1608- 601Y



Equivalent Circuit



Recommended Soldering

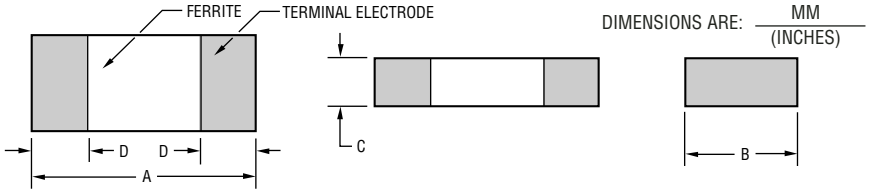


Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

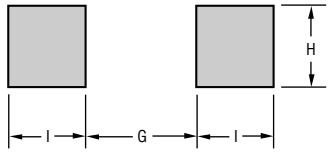
MH Series High Current Chip Ferrite Beads

BOURNS®

Product Dimensions

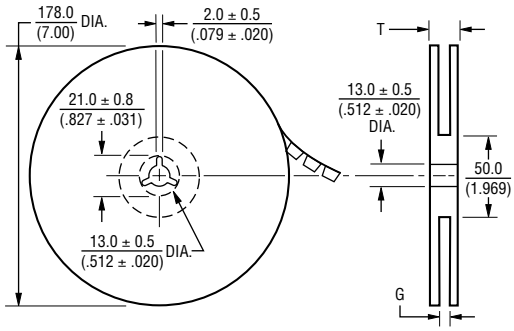


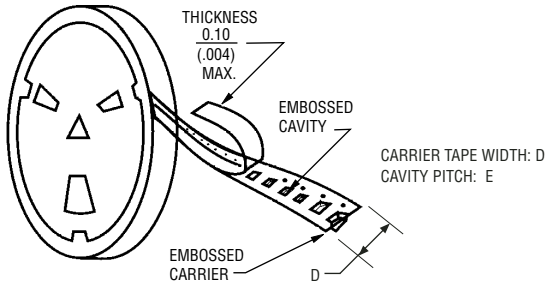
Recommended Land Pattern



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)
3225	3.2 ± 0.2 (.126 ± .008)	2.5 ± 0.2 (.098 ± .008)	1.3 ± 0.2 (.051 ± .008)	0.5 ± 0.2 (.020 ± .008)	2.2 (.118)	2.3 (.091)	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 (.128)	0.7 (.128)

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)
3225	2,500	160	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)