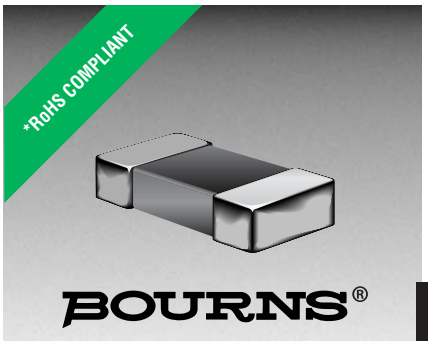


Features

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

The model MG3261, MU3261 & MZ3261 series as well as model MZ2029-102Y are currently available but not recommended for new designs.

Applications

- Power supply lines
- IC power lines
- Signal lines

MG, MU, MZ Series High Impedance Chip Ferrite Beads

Electrical Specifications

Model Number	Impedance (Ω) at 100 MHz	RDC (Ω) Max.	IDC (mA) Max.
MU3261-300Y	30 ±25 %	0.20	500
MU3261-600Y	60 ±25 %	0.20	400
MU3261-750Y	75 ±25 %	0.20	400
MU3261-101Y	100 ±25 %	0.15	500
MU3261-121Y	120 ±25 %	0.15	900
MG3261-151Y	150 ±25 %	0.30	300
MU3261-221Y	220 ±25 %	0.35	700
MG3261-301Y	300 ±25 %	0.30	300
MU3261-301Y	300 ±25 %	0.30	300
MU3261-471Y	470 ±25 %	0.35	400
MU3261-601Y	600 ±25 %	0.30	200
MZ3261-601Y	600 ±25 %	0.30	200
MU3261-801Y	800 ±25 %	0.60	300
MU3261-102Y	1000 ±25 %	0.60	100
MU3261-122Y	1200 ±25 % (at 50 MHz)	0.50	100
MU3261-152Y	1500 ±25 % (at 50 MHz)	0.70	300
MU3261-202Y	2000 ±25 % (at 30 MHz)	0.60	100
MG2029-100Y	10 ±25 %	0.20	400
MG2029-300Y	30 ±25 %	0.10	400
MG2029-400Y	40 ±25 %	0.20	300
MU2029-600Y	60 ±25 %	0.10	900
MG2029-800Y	80 ±25%	0.20	300
MG2029-101Y	100 ±25 %	0.20	400
MG2029-121Y	120 ±25 %	0.25	300
MU2029-151Y	150 ±25 %	0.20	800
MU2029-221Y	220 ±25 %	0.30	500
MU2029-301Y	300 ±25 %	0.30	500
MU2029-471Y	470 ±25 %	0.35	700
MZ2029-601Y	600 ±25 %	0.40	100
MZ2029-601T	600 ±25 %	0.40	200
MZ2029-102Y	1000 ±25 %	0.45	100
MG1608-300Y	30 ±25 %	0.20	200
MG1608-400Y	40 ±25 %	0.30	300
MU1608-600Y	60 ±25 %	0.20	700
MG1608-800Y	80 ±25 %	0.30	300
MG1608-101Y	100 ±25 %	0.25	200
MG1608-121Y	120 ±25 %	0.30	200
MU1608-151Y	150 ±25 %	0.25	600
MU1608-221Y	220 ±25 %	0.30	200
MU1608-301Y	300 ±25 %	0.35	150
MU1608-471Y	470 ±25 %	0.45	350
MZ1608-601Y	600 ±25 %	0.45	100
MZ1608-102Y	1000 ±25 %	0.60	100
MU1005-100Y	10 ±25 %	0.10	500
MU1005-300Y	30 ±25 %	0.20	300
MU1005-600Y	60 ±25 %	0.25	300
MU1005-121Y	120 ±25 %	0.30	100
MU1005-151Y	150 ±25 %	0.30	100
MU1005-221Y	220 ±25 %	0.40	100
MU1005-241Y	240 ±25 %	0.60	100
MU1005-301Y	300 ±25 %	0.50	100
MU1005-471Y	470 ±25 %	0.65	100
MU1005-601Y	600 ±25 %	0.80	80
MU1005-102Y	1000 ±25 %	1.20	80

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)
3261 Series.....1.0 F (Kg)
2029 Series.....0.6 F (Kg)
1608 Series.....0.5 F (Kg)

Materials

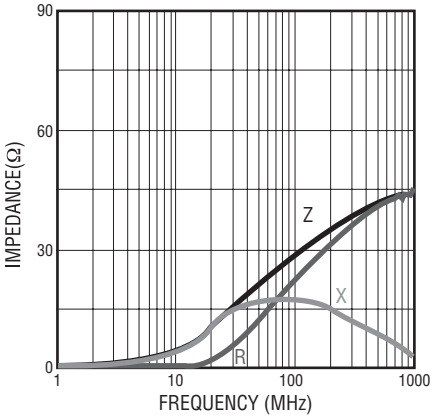
Core Material .....Ferrite
Internal Conductor.....Ag or Ag/Pd
Terminal .....Ag/Ni/Sn

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

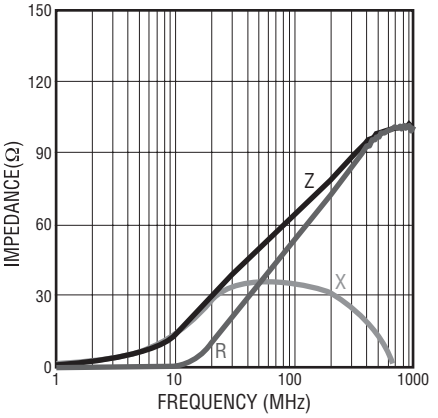
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Electrical Specifications (continued)

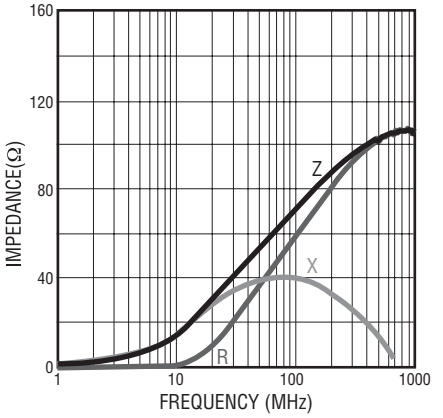
MU 3261- 300Y



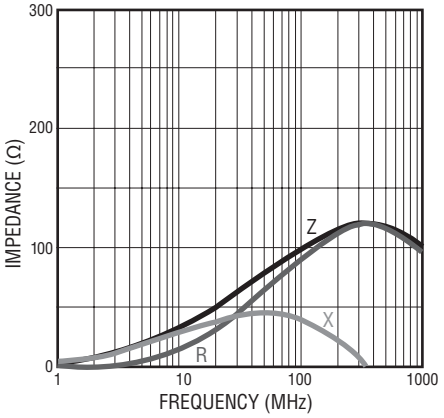
MU 3261- 600Y



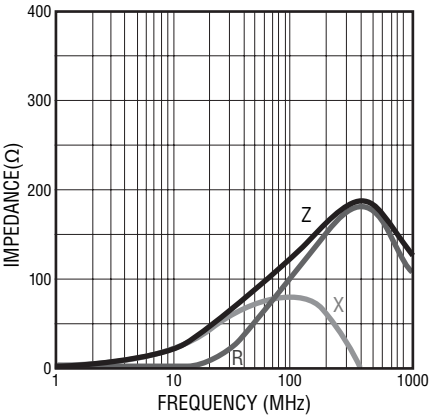
MU 3261- 750Y



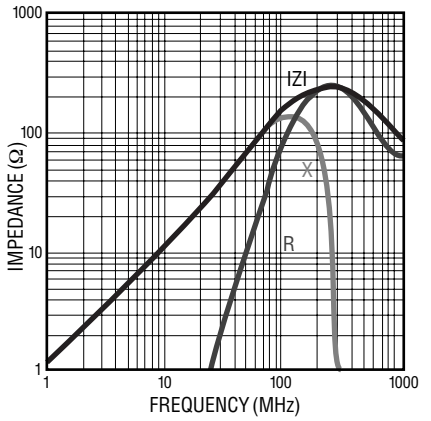
MU 3261- 101Y



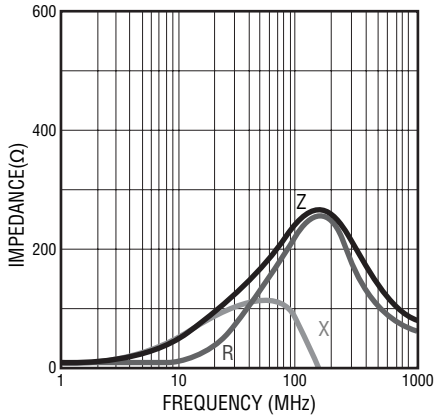
MU 3261- 121Y



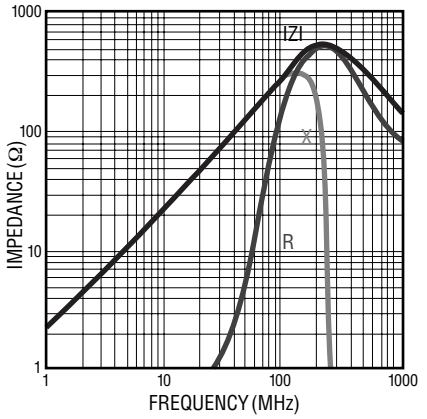
MG 3261- 151Y



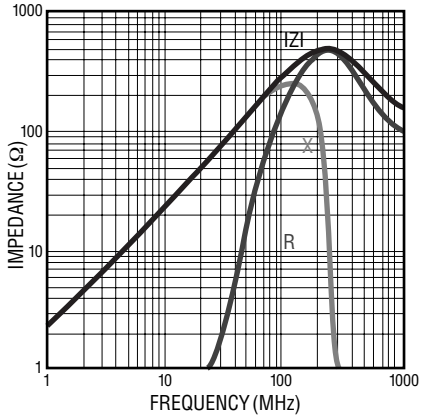
MU 3261- 221Y



MG 3261- 301Y



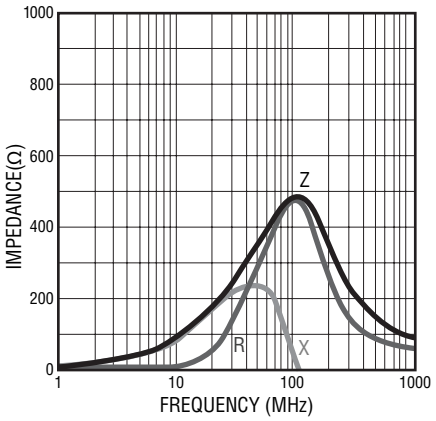
MU 3261- 301Y



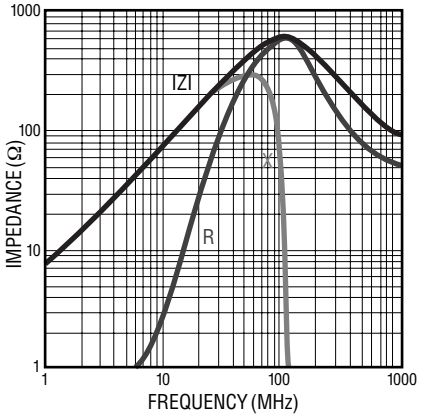
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Electrical Specifications (continued)

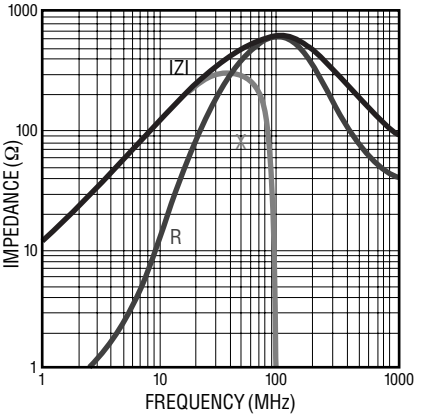
MU 3261- 471Y



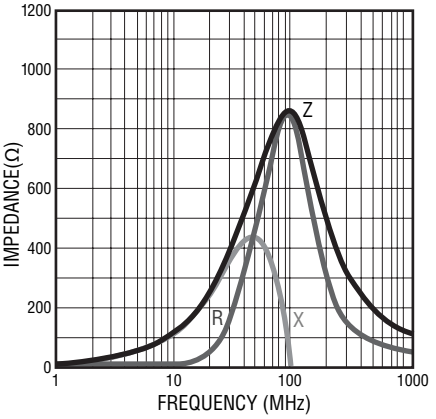
MU 3261- 601Y



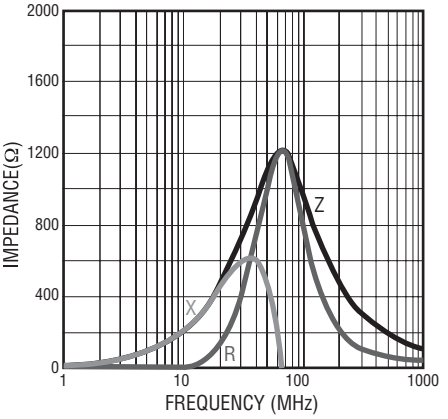
MZ 3261- 601Y



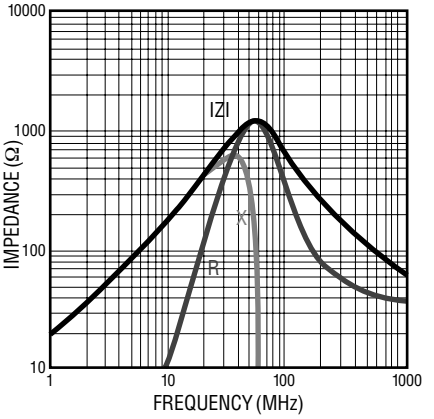
MU 3261- 801Y



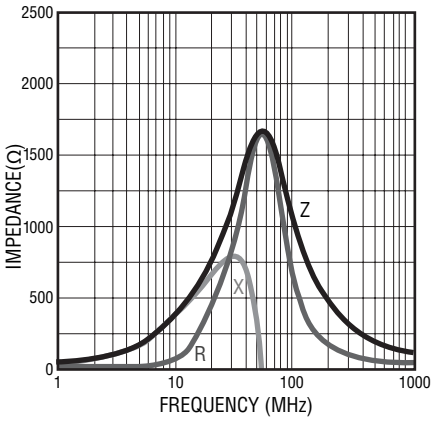
MU 3261- 102Y



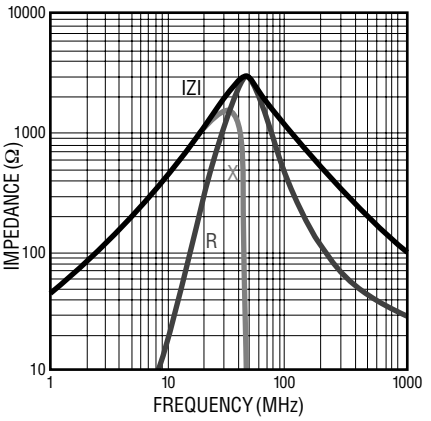
MU 3261- 122Y



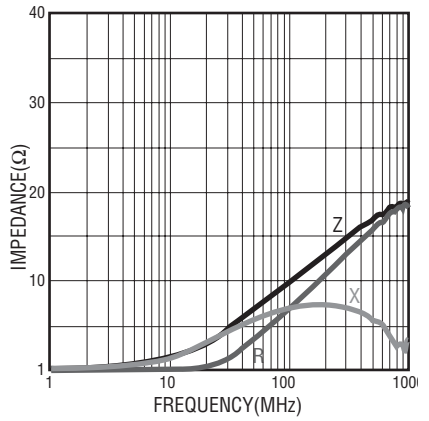
MU 3261- 152Y



MU 3261- 202Y



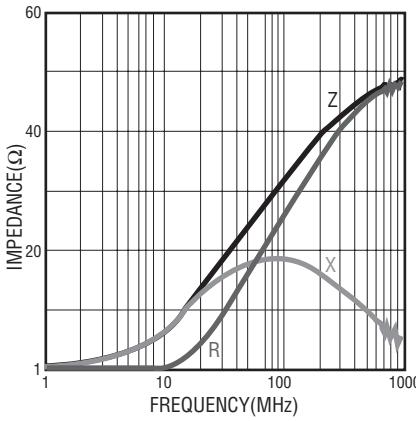
MG 2029- 100Y



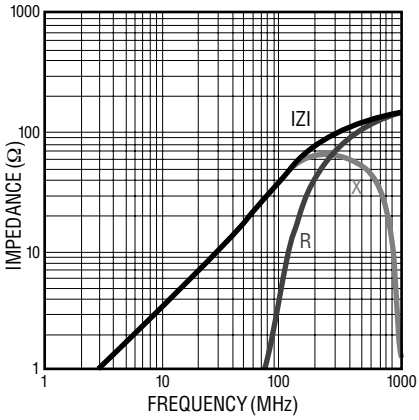
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Electrical Specifications (continued)

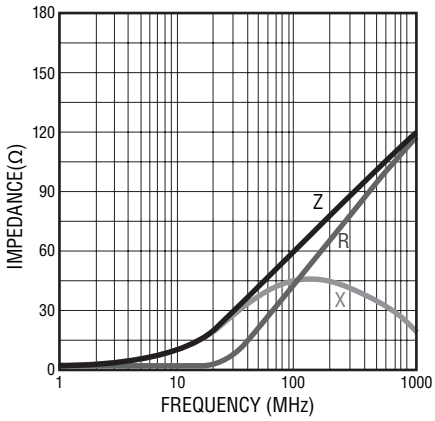
MG 2029- 300Y



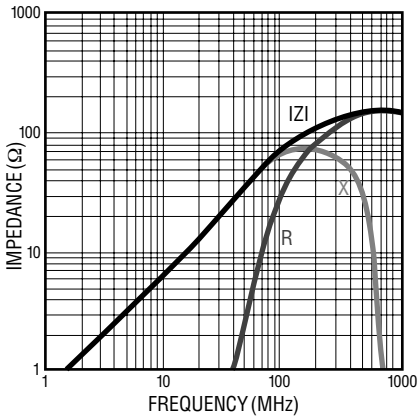
MG 2029- 400Y



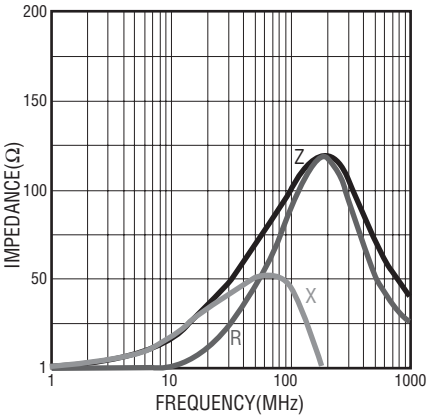
MU 2029- 600Y



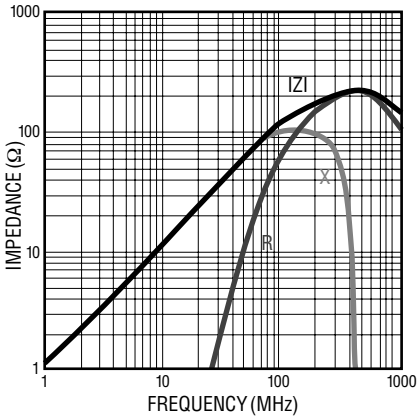
MG 2029- 800Y



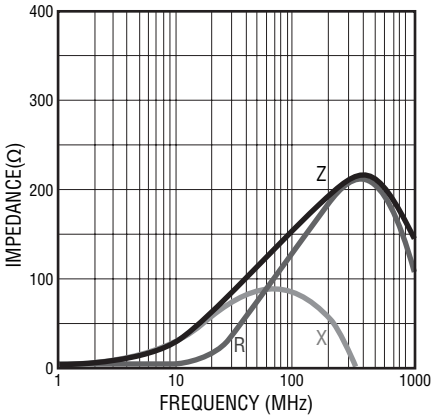
MG 2029- 101Y



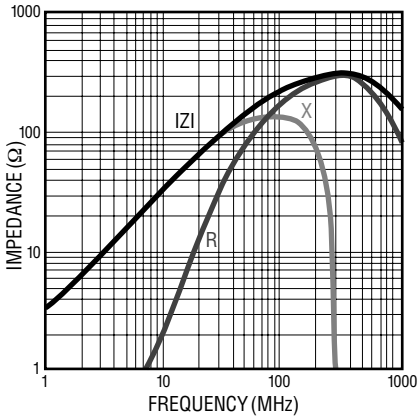
MG 2029- 121Y



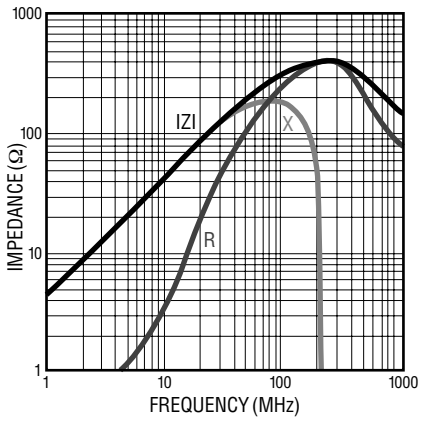
MU 2029- 151Y



MU 2029- 221Y



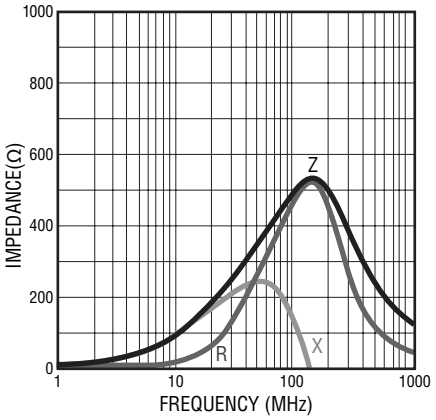
MU 2029- 301Y



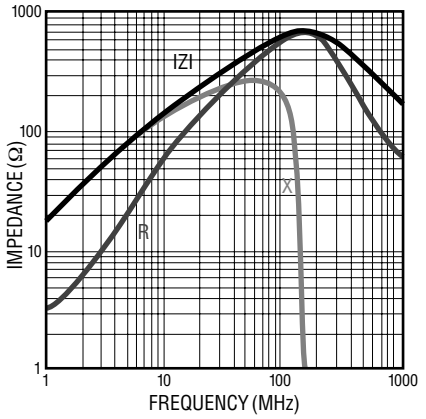
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Electrical Specifications (continued)

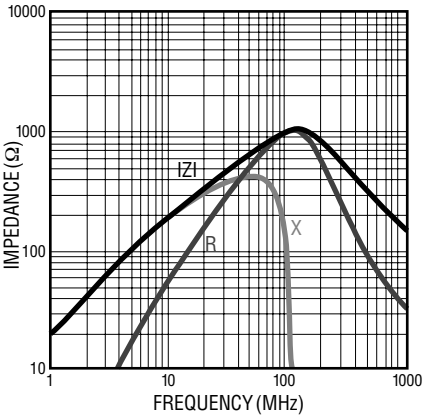
MU 2029- 471Y



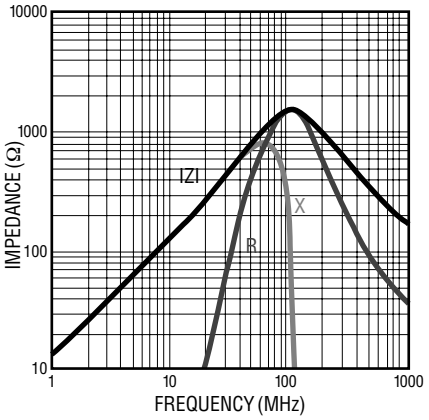
MZ 2029- 601Y



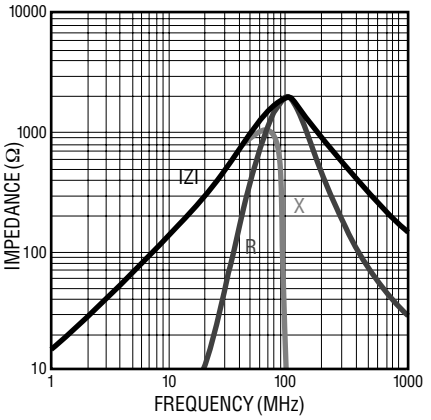
MZ 2029- 102Y



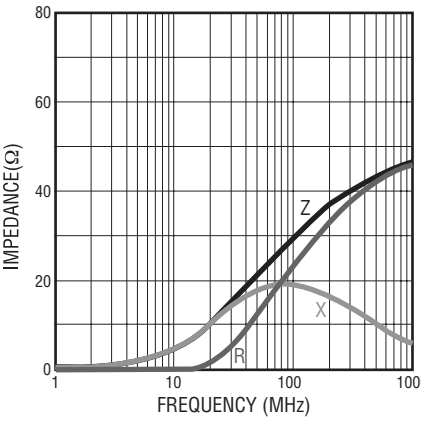
MG 2029- 152Y



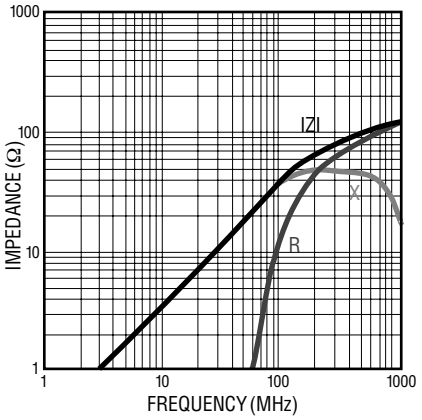
MG 2029- 202Y



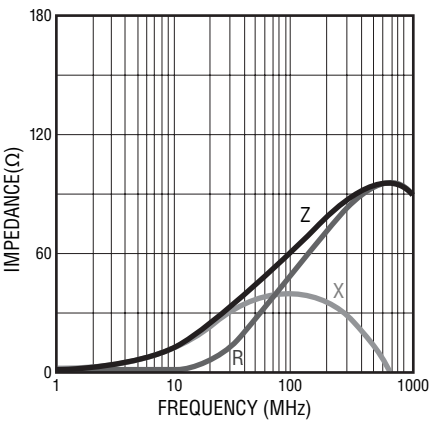
MU 1608- 300Y



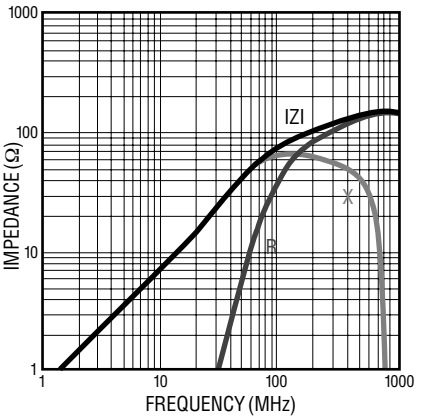
MG 1608- 400Y



MU 1608- 600Y



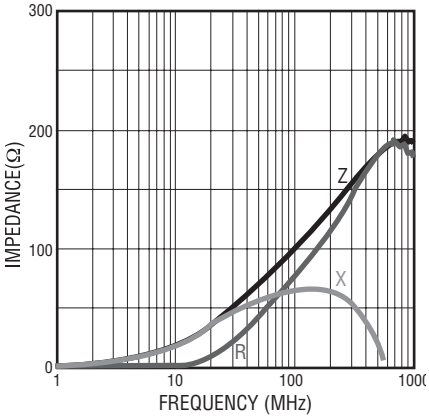
MG 1608- 800Y



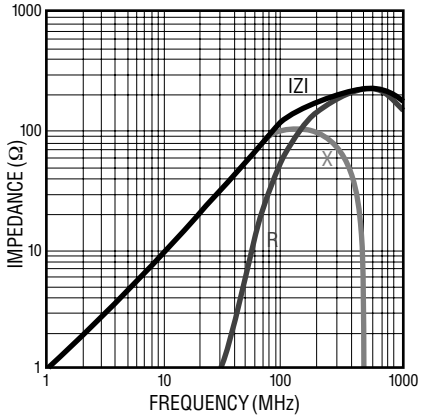
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Electrical Specifications (continued)

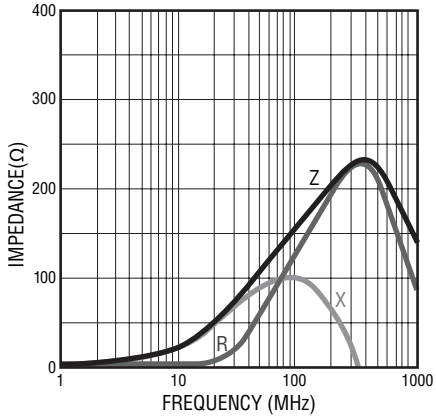
MU 1608- 101Y



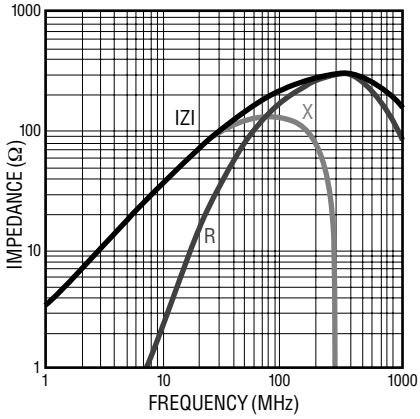
MG 1608- 121Y



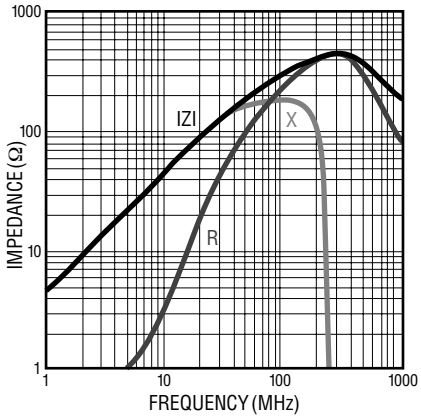
MU 1608- 151Y



MU 1608- 221Y



MU 1608- 301Y



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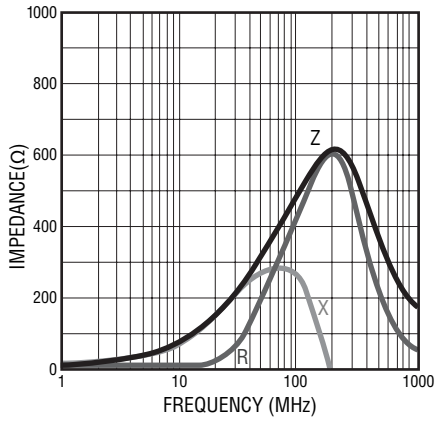

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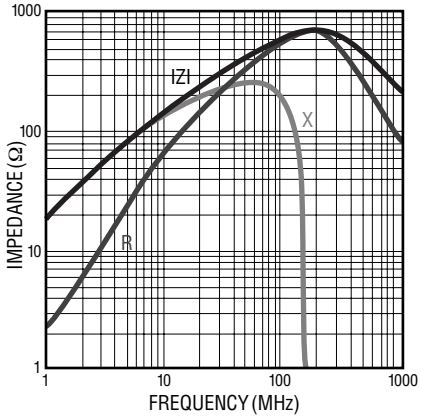
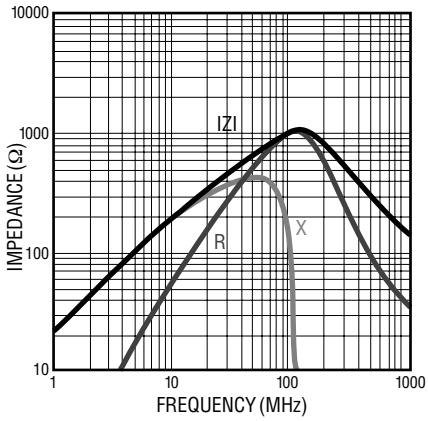
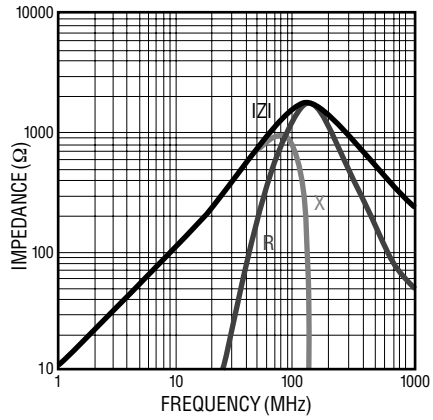


MZ 1608- 102Y



MG 1608- 152Y



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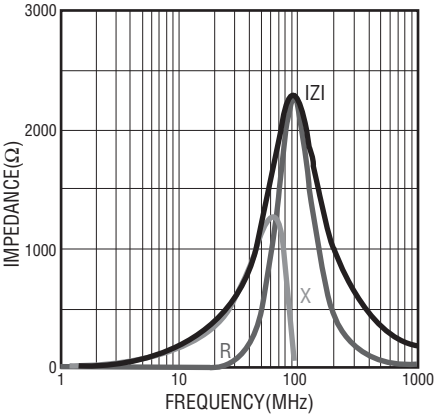
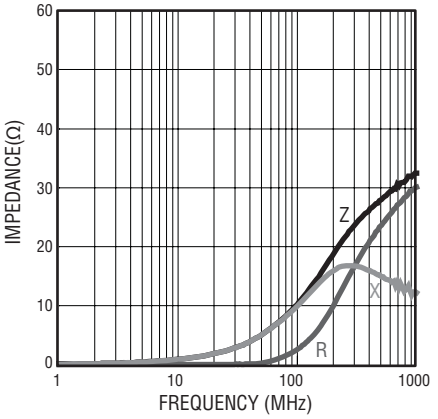
Electrical Specifications (continued)

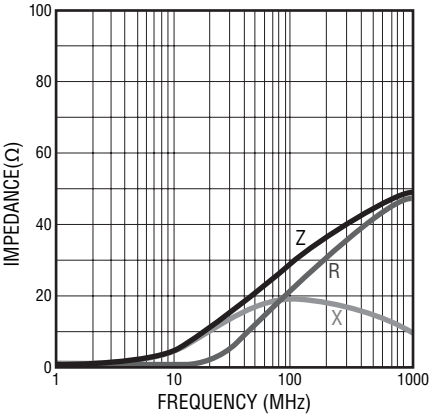
MZ 1608- 222Y



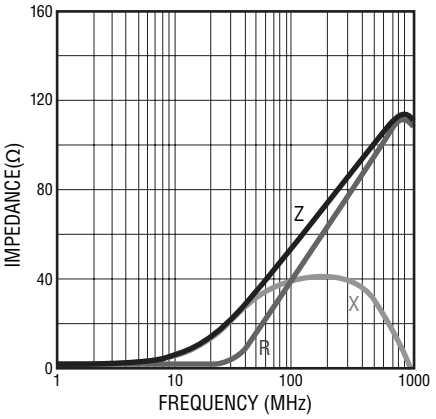
MU 1005- 100Y



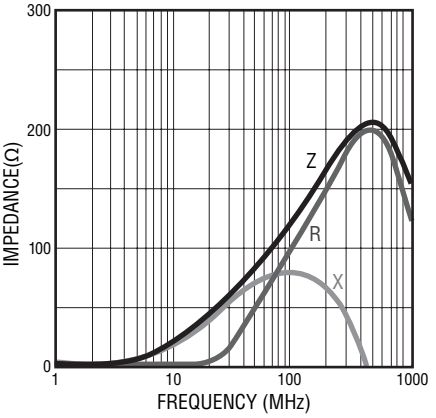
MU 1005- 300Y



MU 1005- 600Y



MU 1005- 121Y



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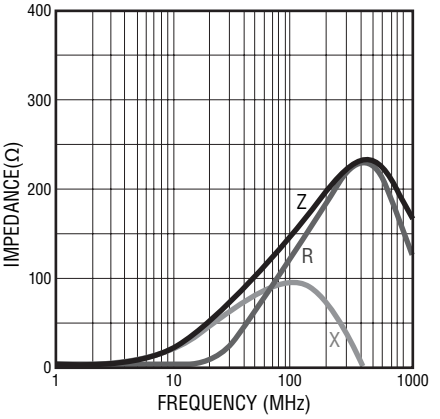

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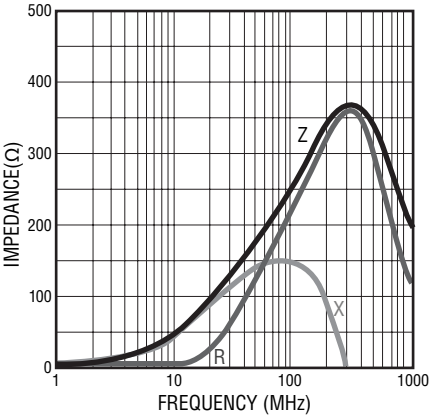
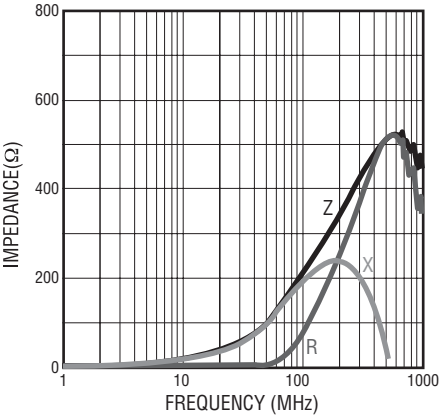
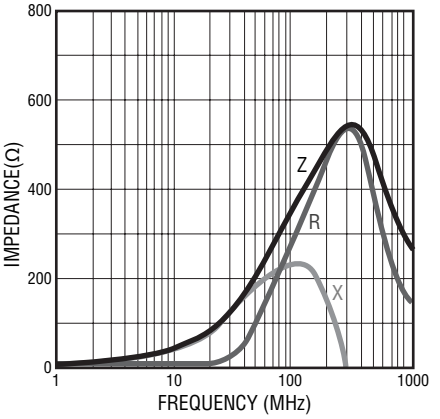


MU 1005- 241Y



MU 1005- 301Y



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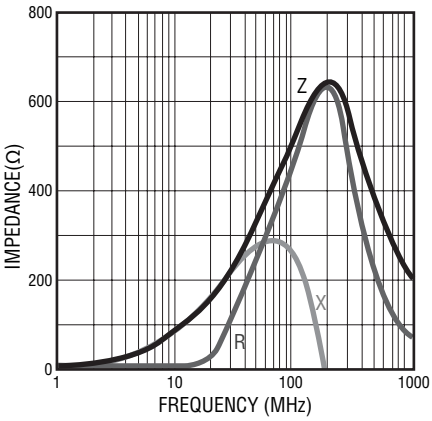
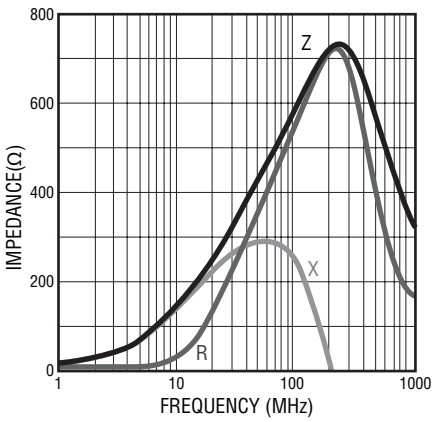
Electrical Specifications (continued)

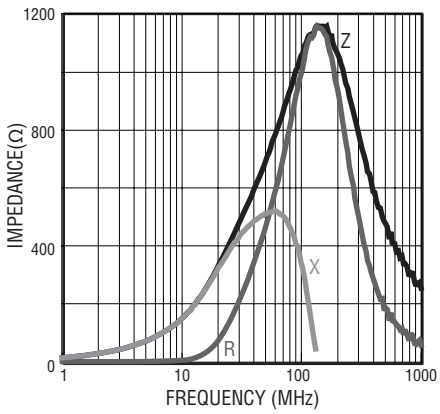
MU 1005- 471Y



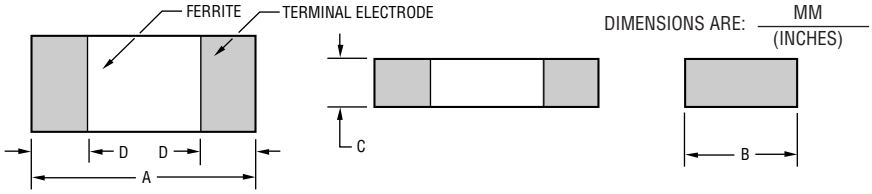
MU 1005- 601Y



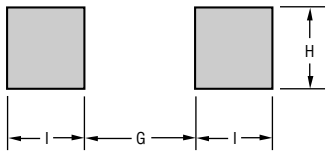
MU 1005- 102Y



Product Dimensions



Recommended Land Pattern



Series	A	B	C	D	G	H	I
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)
1005	1.0 ±0.10 (.04 ±.004)	0.50 ±0.10 (0.02 ±.004)	0.50 ±0.10 (.02 ±.004)	0.25 ±0.10 (.01 ±.004)	0.5 (.02)	0.55 (.022)	0.7 (.028)

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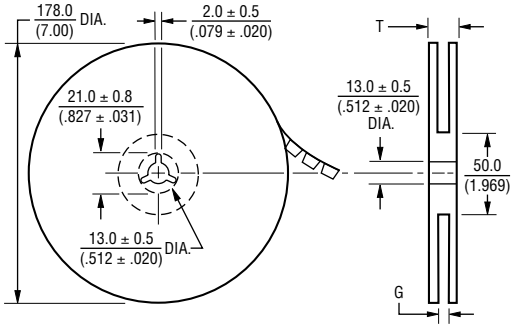
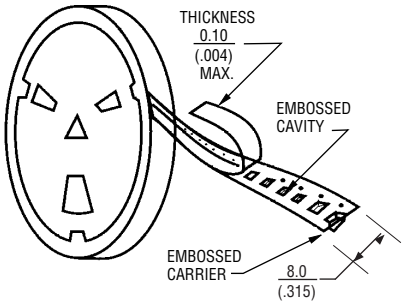
Reel Dimensions



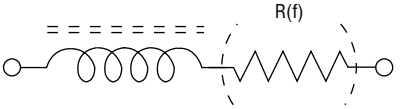


CARRIER TAPE WIDTH: D

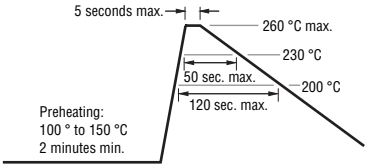
CAVITY PITCH: 4.0 (.157)

Series	Pcs. per Reel	Gross Weight (g)	D	G	T
3261	3,000	150	8.0 (.315)	10.0 +0 (.394 +0)	12.5 (.492)
2029	4,000	120			
1608	4,000	90			
1005	10,000	135			

Equivalent Circuit



Recommended Soldering



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