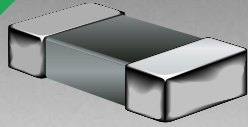


RoHS COMPLIANT



**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

# MG, MU, MZ Series High Impedance Chip Ferrite Beads

### Electrical Specifications

Model Number	Impedance (Ω) at 100 MHz	RDC (Ω) Max.	IDC (mA) Max.
MU3261-121Y	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
MZ3261-122Y	1200 ±25 % (at 50 MHz)	0.50	100
MU3261-122Y	1200 ±25 % (at 50 MHz)	0.50	100
MU3261-152Y	1500 ±25 % (at 50 MHz)	0.70	300
MZ3261-202Y	2000 ±25 % (at 30 MHz)	0.60	100
MU3261-202Y	2000 ±25 % (at 30 MHz)	0.60	100
MG2029-400Y	40 ±25 %	0.20	300
MU2029-600Y	60 ±25 %	0.10	900
MG2029-800Y	80 ±25 %	0.20	300
MG2029-121Y	120 ±25 %	0.25	300
MU2029-151Y	150 ±25 %	0.20	800
MU2029-221Y	220 ±25 %	0.30	200
MU2029-301Y	300 ±25 %	0.30	200
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
MZ2029-152Y	1500 ±25 %	0.55	100
MZ2029-202Y	2000 ±25 %	0.60	50
MG1608-400Y	40 ±25 %	0.30	300
MU1608-600Y	60 ±25 %	0.20	700
MG1608-800Y	80 ±25 %	0.30	300
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
MZ1608-152Y	1500 ±25 %	0.70	50
MG1608-202Y	2000 ±25 %	0.80	50
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
MU1005-301Y	300 ±25 %	0.50	100
MU1005-471Y	470 ±25 %	0.65	100
MU1005-601Y	600 ±25 %	0.80	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

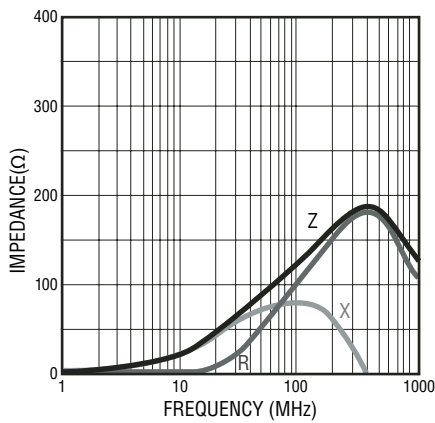
\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

# MG, MU, MZ Series High Impedance Chip Ferrite Beads

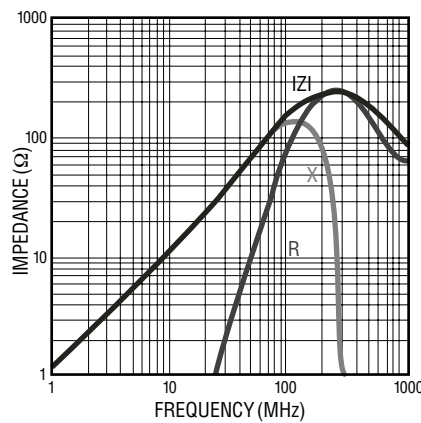
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## Electrical Specifications (continued)

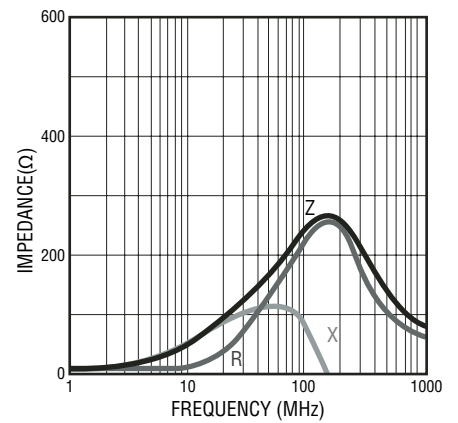
**MU 3261- 121Y**



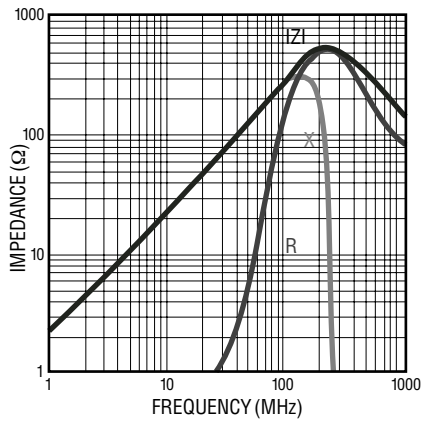
**MG 3261- 151Y**



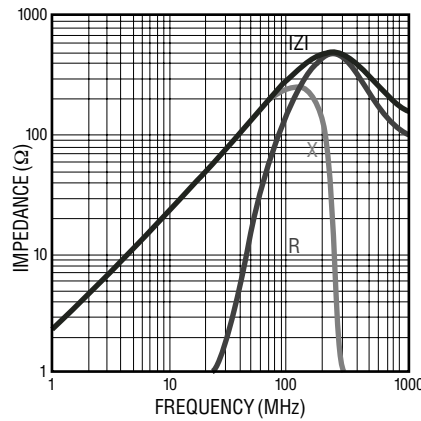
**MU 3261- 221Y**



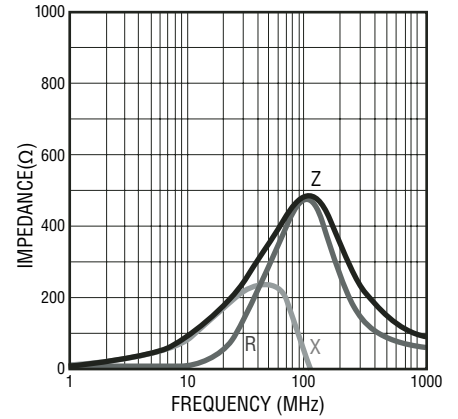
**MG 3261- 301Y**



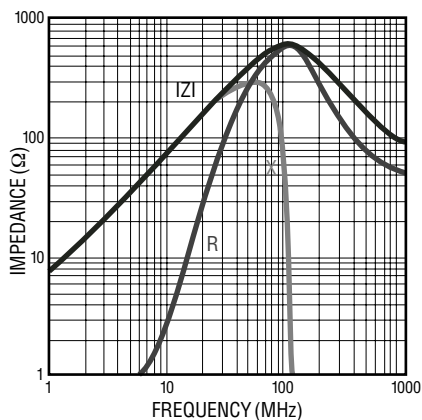
**MU 3261- 301Y**



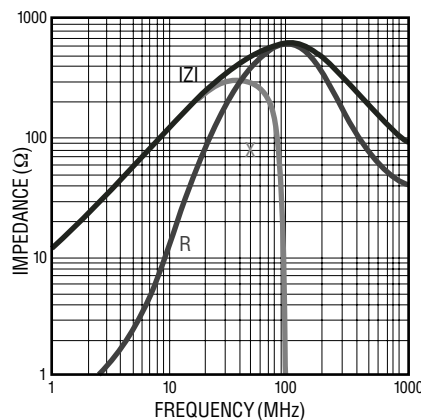
**MU 3261- 471Y**



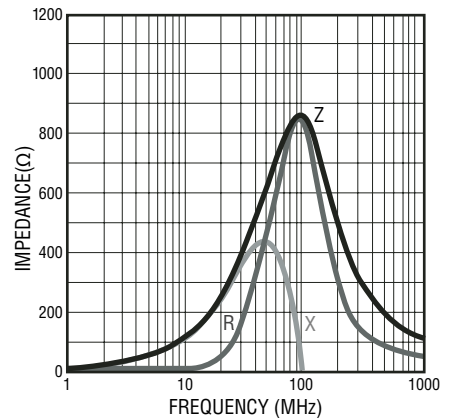
**MU 3261- 601Y**



**MZ 3261- 601Y**



**MU 3261- 801Y**



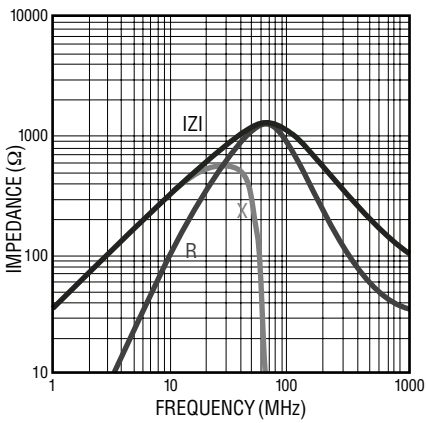
Specifications are subject to change without notice.  
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

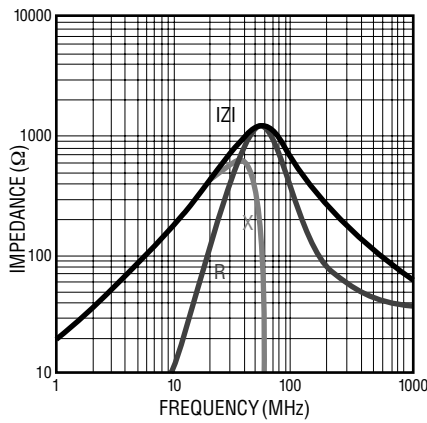
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## Electrical Specifications (continued)

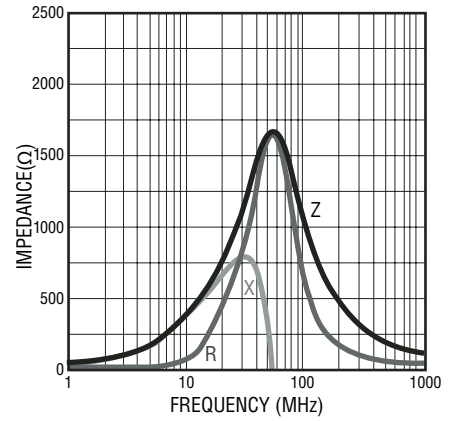
**MZ 3261- 122Y**



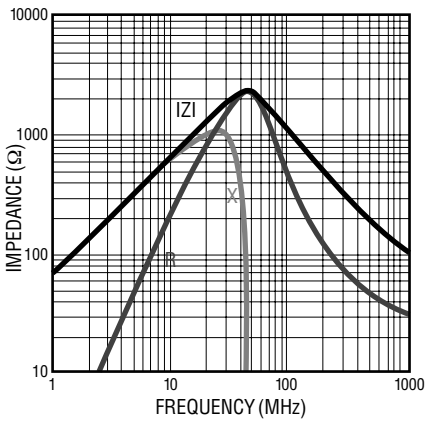
**MU 3261- 122Y**



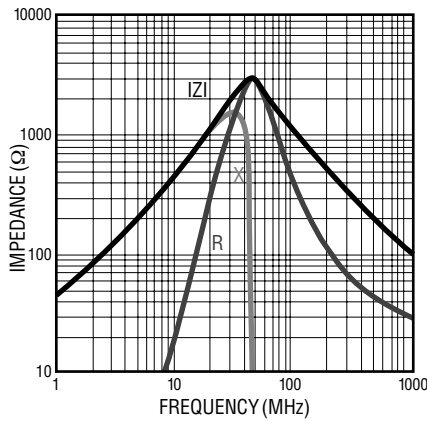
**MU 3261- 152Y**



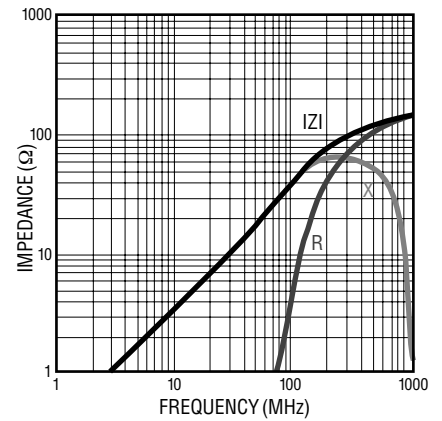
**MZ 3261- 202Y**



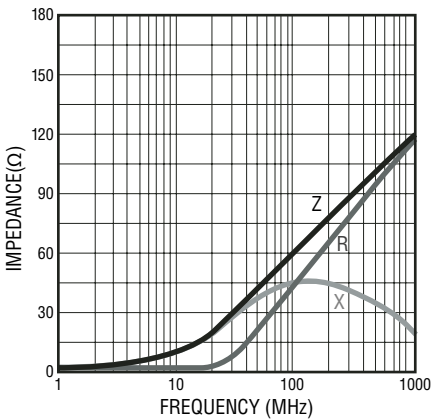
**MU 3261- 202Y**



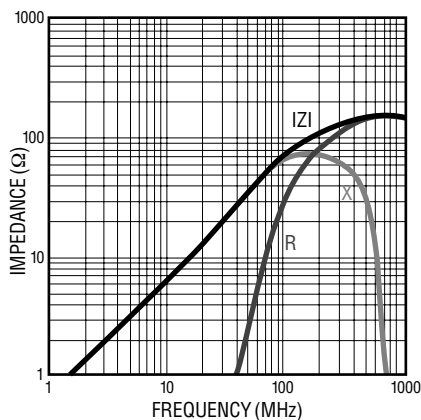
**MG 2029- 400Y**



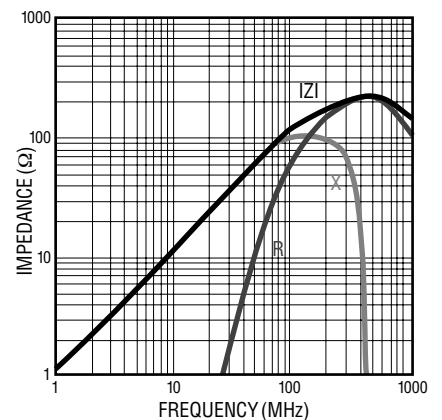
**MU 2029- 600Y**



**MG 2029- 800Y**



**MG 2029- 121Y**



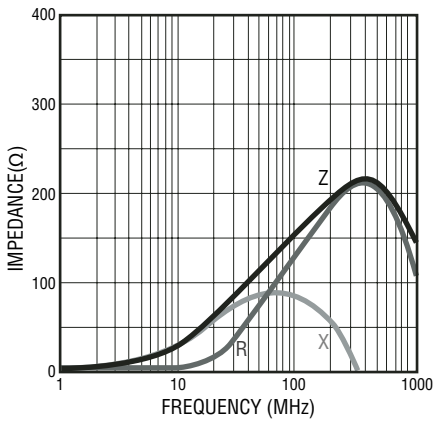
Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

# MG, MU, MZ Series High Impedance Chip Ferrite Beads

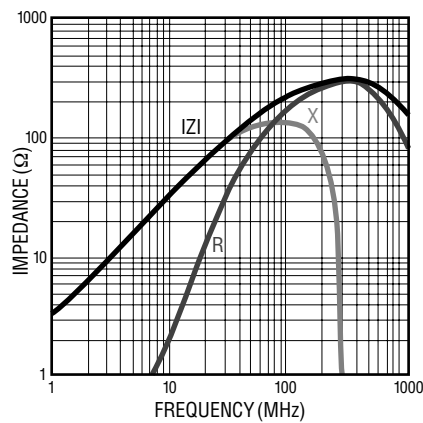
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## Electrical Specifications (continued)

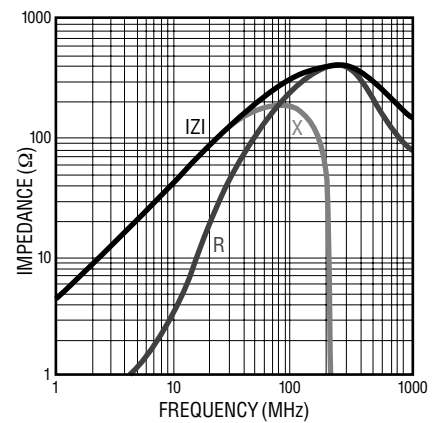
**MU 2029- 151Y**



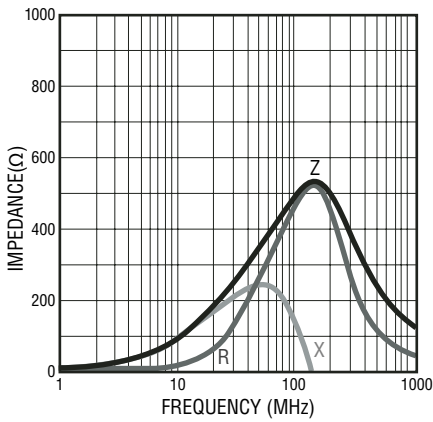
**MU 2029- 221Y**



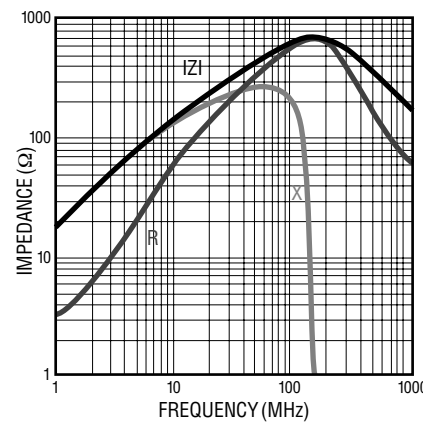
**MU 2029- 301Y**



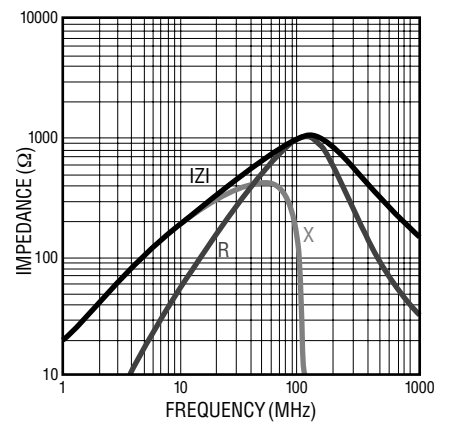
**MU 2029- 471Y**



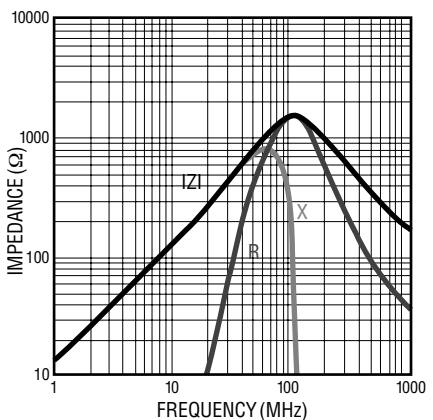
**MZ 2029- 601Y**



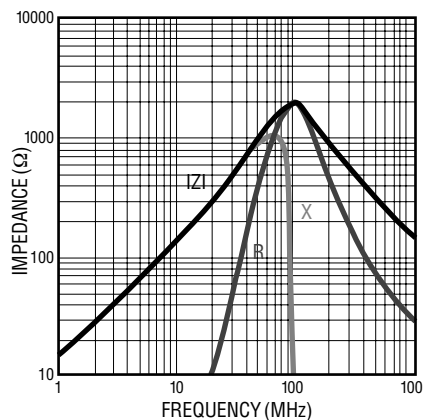
**MZ 2029- 102Y**



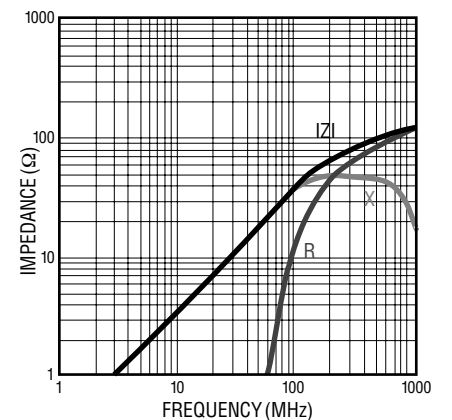
**MG 2029- 152Y**



**MG 2029- 202Y**



**MG 1608- 400Y**



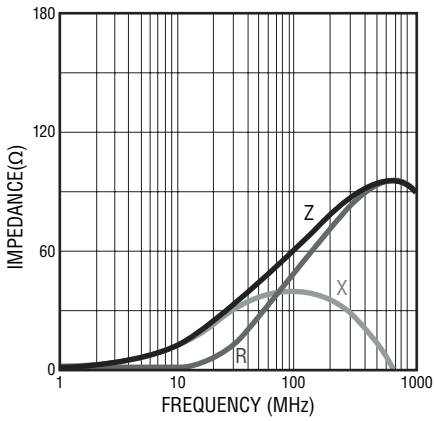
Specifications are subject to change without notice.  
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

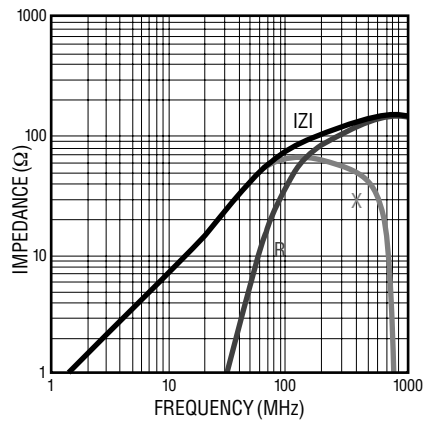
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## Electrical Specifications (continued)

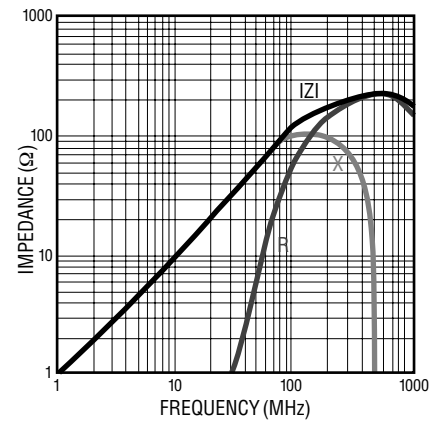
**MU 1608- 600Y**



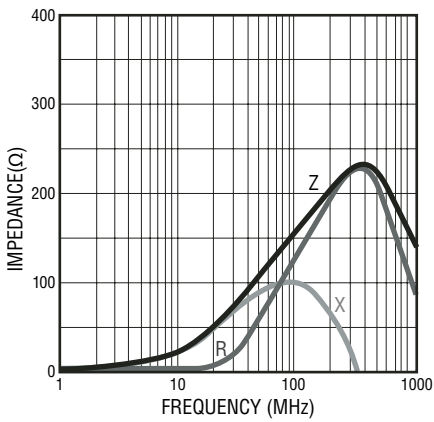
**MG 1608- 800Y**



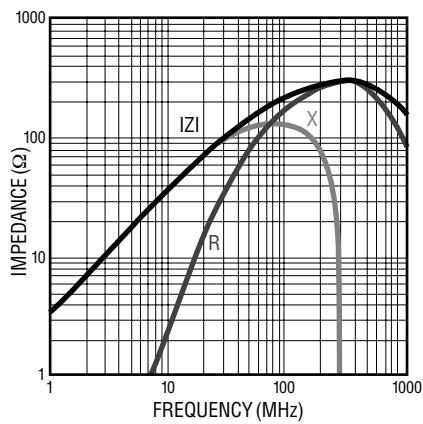
**MG 1608- 121Y**



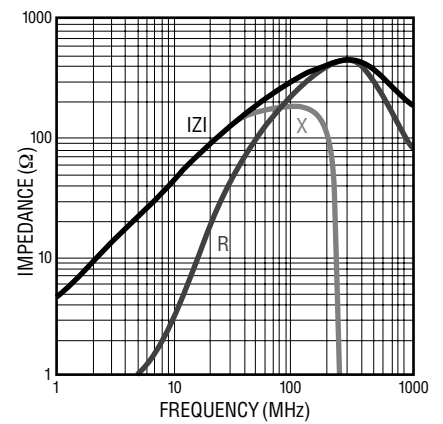
**MU 1608- 151Y**



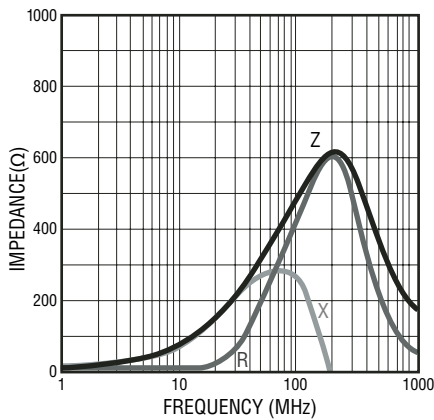
**MU 1608- 221Y**



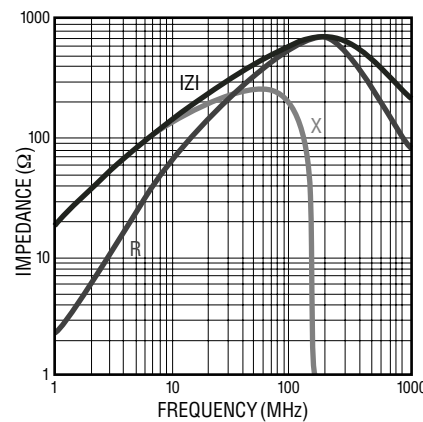
**MU 1608- 301Y**



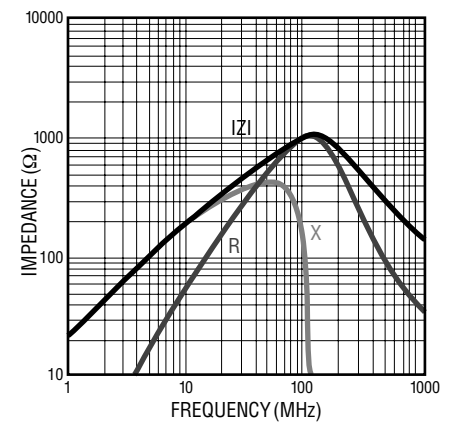
**MU 1608- 471Y**



**MZ 1608- 601Y**



**MZ 1608- 102Y**



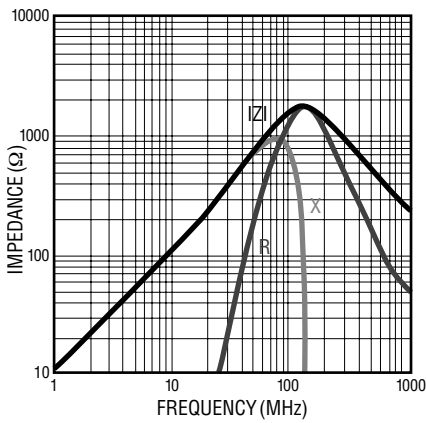
Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

# MG, MU, MZ Series High Impedance Chip Ferrite Beads

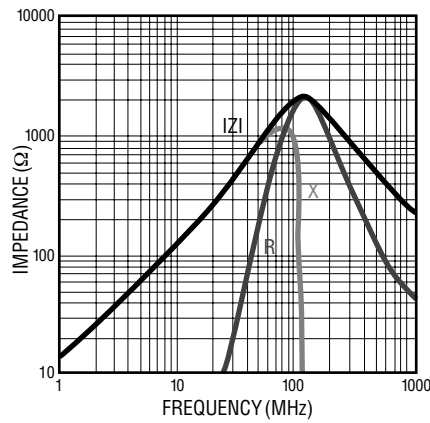
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## Electrical Specifications (continued)

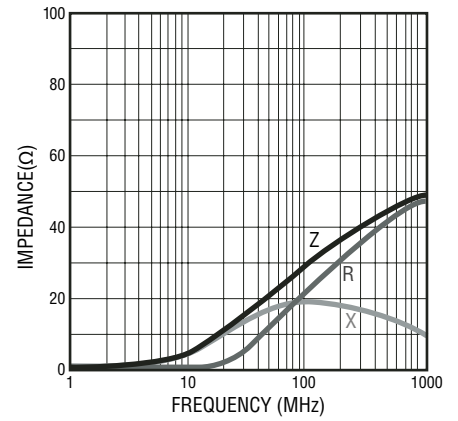
**MG 1608- 152Y**



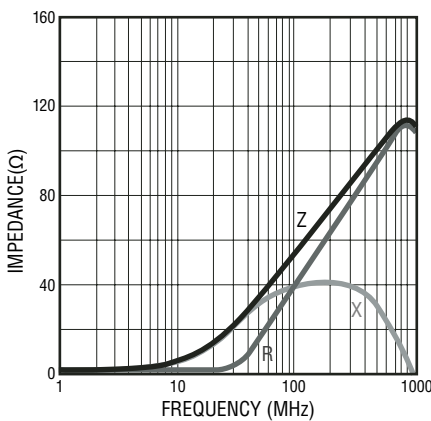
**MG 1608- 202Y**



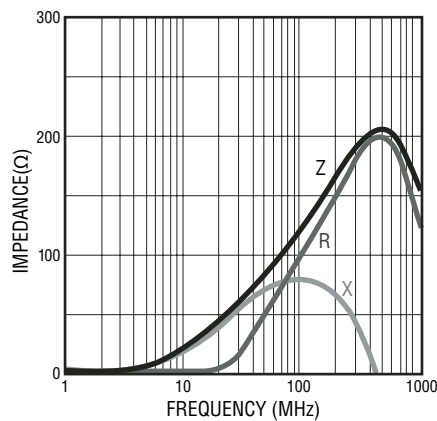
**MU 1005- 300Y**



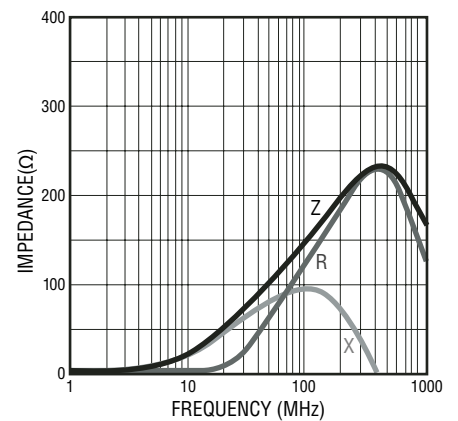
**MU 1005- 600Y**



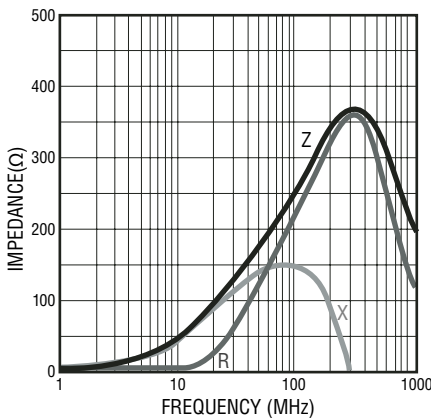
**MU 1005- 121Y**



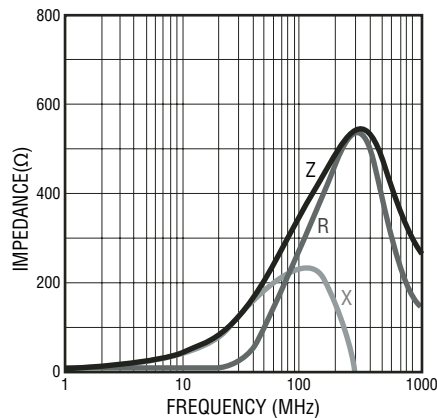
**MU 1005- 151Y**



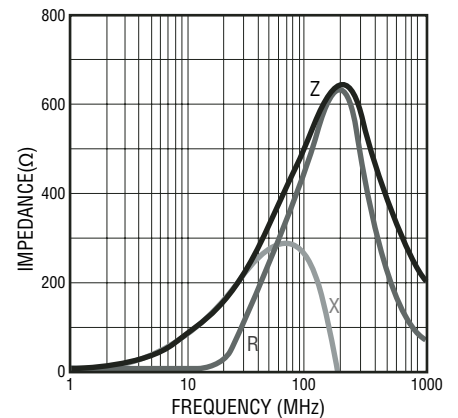
**MU 1005- 221Y**



**MU 1005- 301Y**



**MU 1005- 471Y**

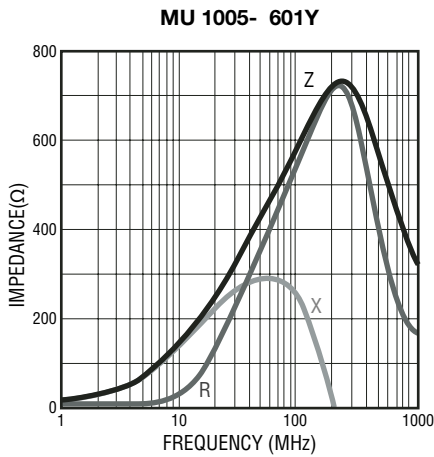


Specifications are subject to change without notice.  
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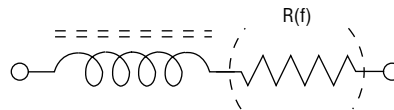
# MG, MU, MZ Series High Impedance Chip Ferrite Beads

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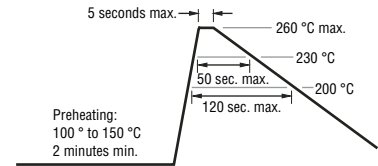
## Electrical Specifications (continued)



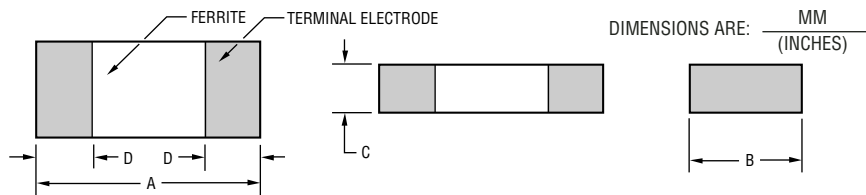
## Equivalent Circuit



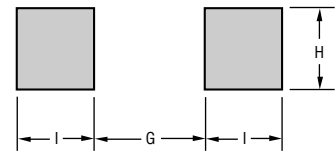
## Recommended Soldering



## Product Dimensions



## Recommended Land Pattern

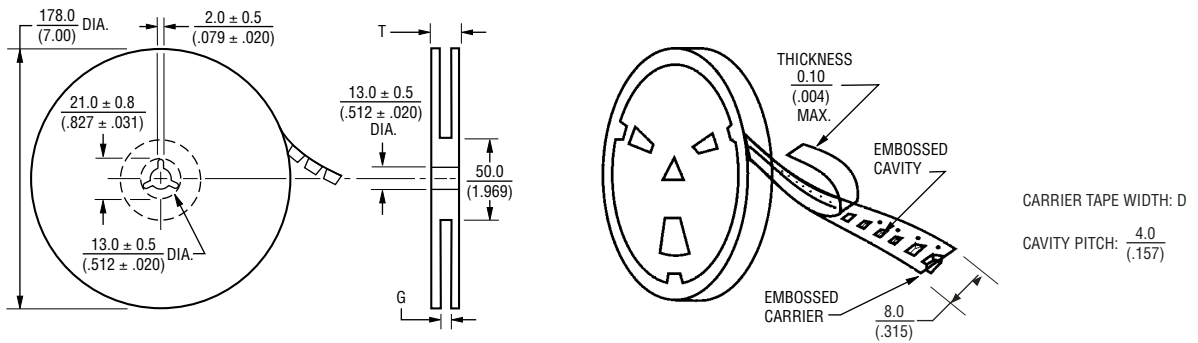


Series	A	B	C	D	G	H	I
3261	$\frac{3.2 \pm 0.2}{(.126 \pm .008)}$	$\frac{1.6 \pm 0.2}{(.063 \pm .008)}$	$\frac{1.1 \pm 0.2}{(.043 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	$\frac{2.0}{(.079)}$	$\frac{1.4}{(.053)}$	$\frac{1.1}{(.043)}$
2029	$\frac{2.0 \pm 0.2}{(.079 \pm .008)}$	$\frac{1.2 \pm 0.2}{(.047 \pm .008)}$	$\frac{0.9 \pm 0.2}{(.035 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	$\frac{1.0}{(.040)}$	$\frac{1.0}{(.040)}$	$\frac{1.0}{(.040)}$
1608	$\frac{1.6 \pm 0.2}{(.063 \pm .008)}$	$\frac{0.8 \pm 0.2}{(.031 \pm .008)}$	$\frac{0.8 \pm 0.2}{(.031 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	$\frac{0.7}{(.028)}$	$\frac{0.7}{(.128)}$	$\frac{0.7}{(.128)}$
1005	$\frac{1.0 \pm 0.10}{(.04 \pm .004)}$	$\frac{0.50 \pm 0.10}{(.02 \pm .004)}$	$\frac{0.50 \pm 0.10}{(.02 \pm .004)}$	$\frac{0.25 \pm 0.10}{(.01 \pm .004)}$	$\frac{0.5}{(.02)}$	$\frac{0.55}{(.022)}$	$\frac{0.7}{(.028)}$

# MG, MU, MZ Series High Impedance Chip Ferrite Beads

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## Reel Dimensions



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

REV. 09/05

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