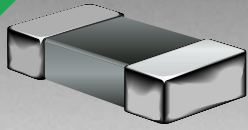


*RoHS COMPLIANT



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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 Soldering230 °C, 50 seconds max.
 Resistance to Soldering Heat260 °C, 5 seconds
 Rated CurrentBased on max. temperature rise of +40 °C
 Terminal Strength (Force "F" applied for 30 seconds)
 3261 Series1.0 F (Kg)
 2029 Series0.6 F (Kg)
 1608 Series0.5 F (Kg)

Materials

Core MaterialFerrite
 Internal ConductorAg or Ag/Pd
 TerminalAg/Ni/Sn

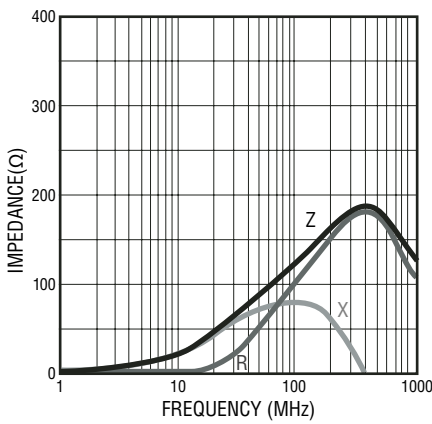
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

MG, MU, MZ Series High Impedance Chip Ferrite Beads

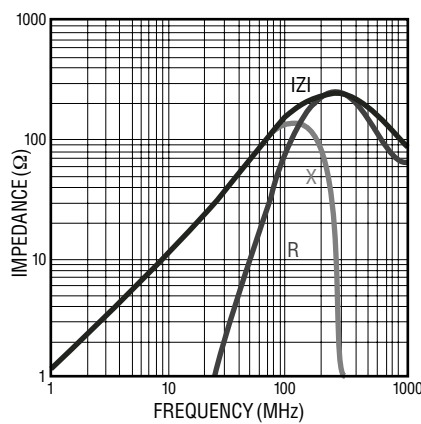
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Electrical Specifications (continued)

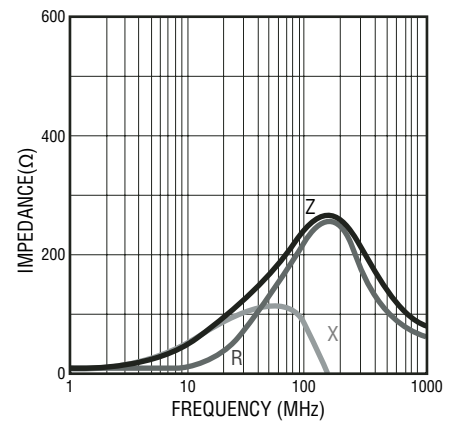
MU 3261- 121Y



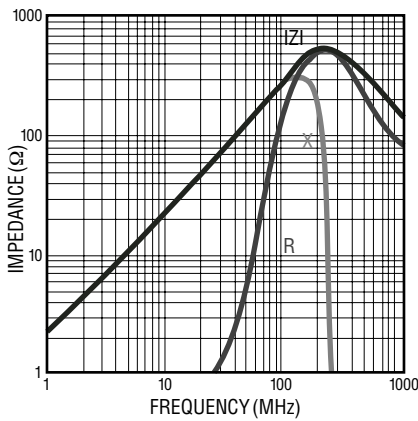
MG 3261- 151Y



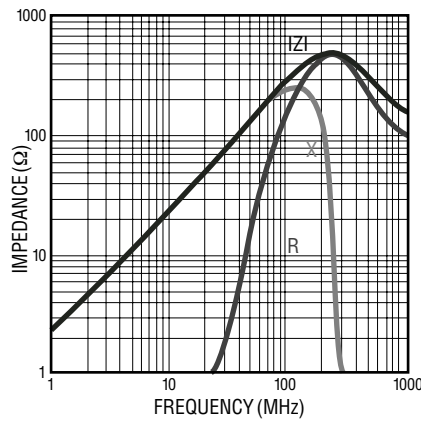
MU 3261- 221Y



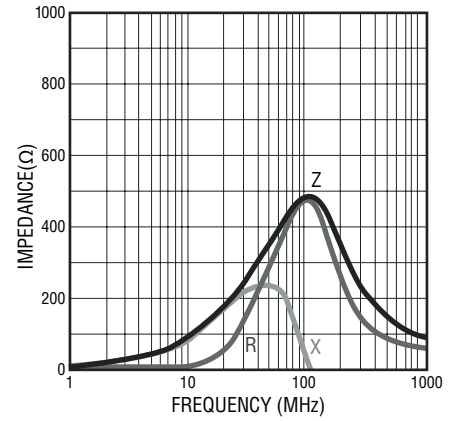
MG 3261- 301Y



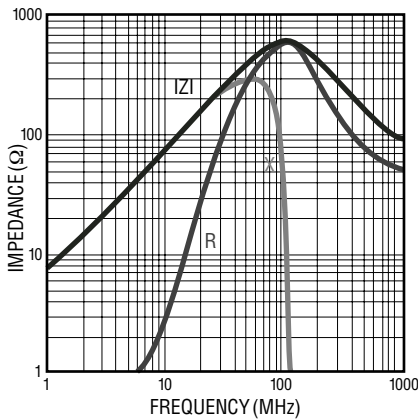
MU 3261- 301Y



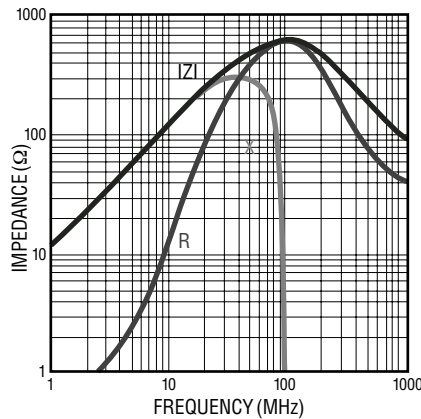
MU 3261- 471Y



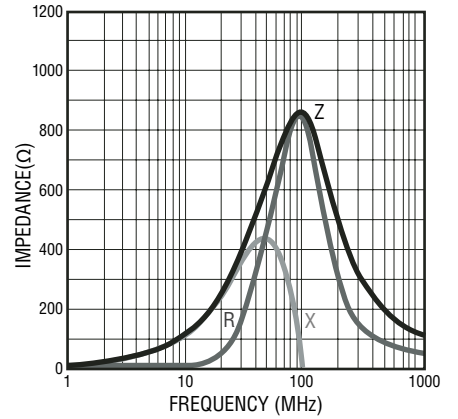
MU 3261- 601Y



MZ 3261- 601Y



MU 3261- 801Y



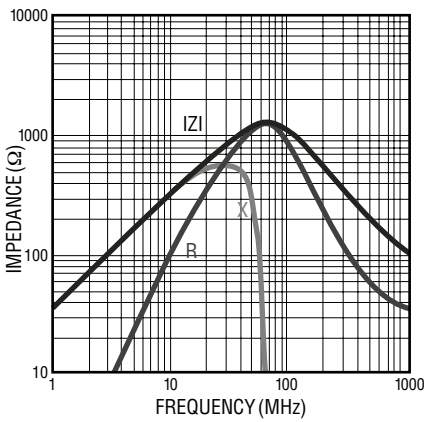
Specifications are subject to change without notice.
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MG, MU, MZ Series High Impedance Chip Ferrite Beads

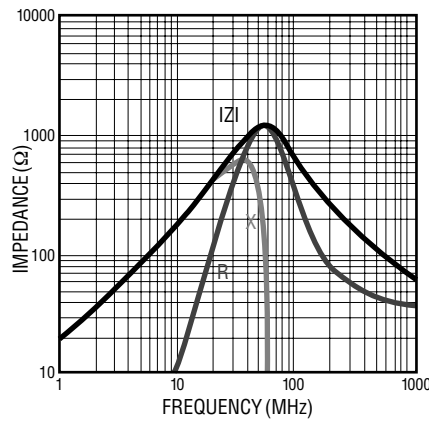
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Electrical Specifications (continued)

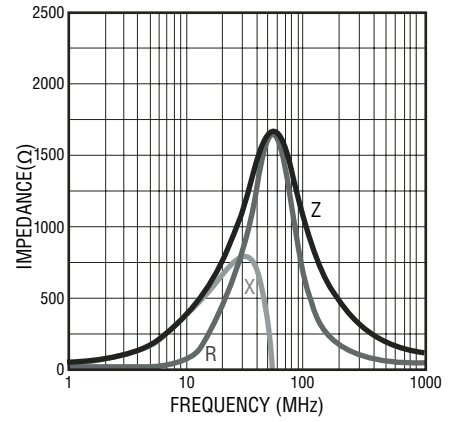
MZ 3261- 122Y



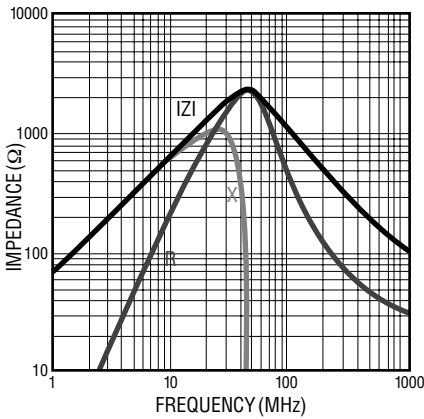
MU 3261- 122Y



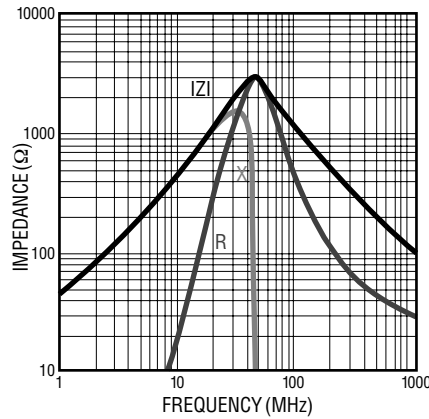
MU 3261- 152Y



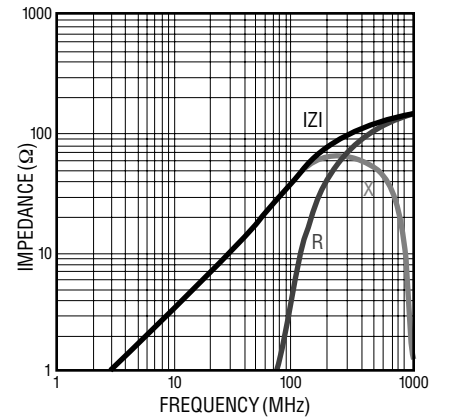
MZ 3261- 202Y



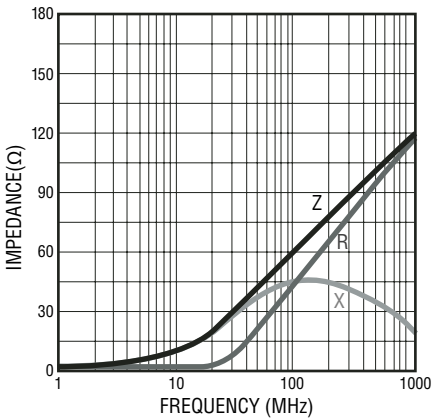
MU 3261- 202Y



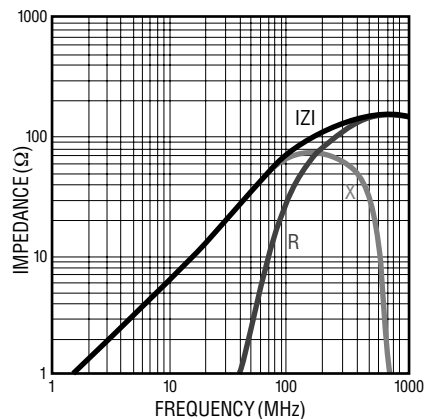
MG 2029- 400Y



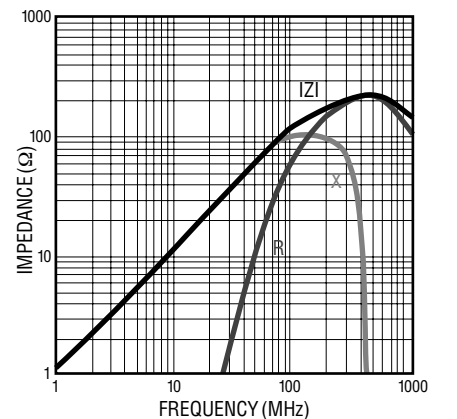
MU 2029- 600Y



MG 2029- 800Y



MG 2029- 121Y



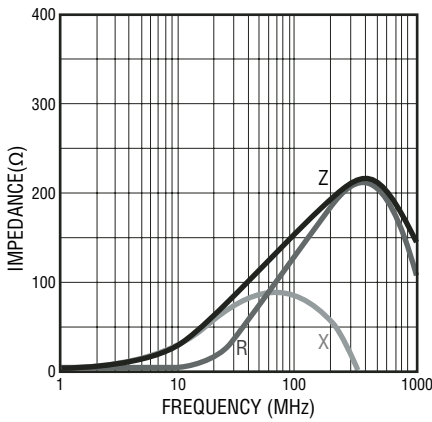
Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

MG, MU, MZ Series High Impedance Chip Ferrite Beads

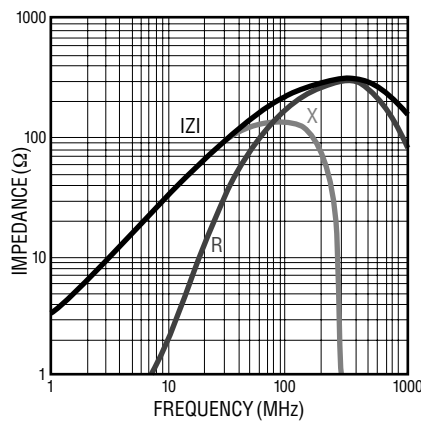
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Electrical Specifications (continued)

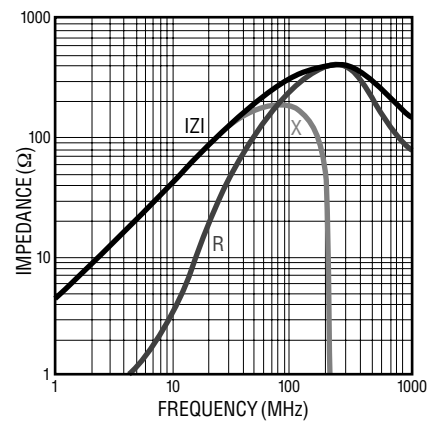
MU 2029- 151Y



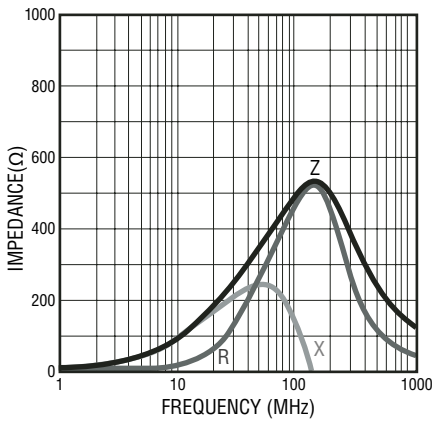
MU 2029- 221Y



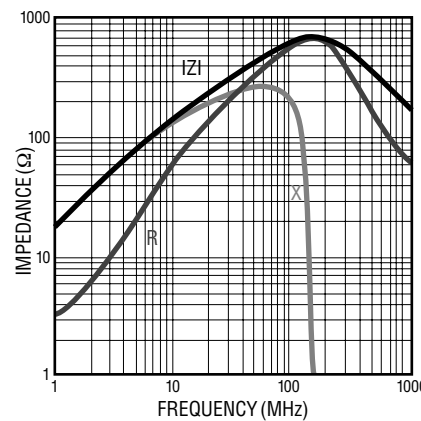
MU 2029- 301Y



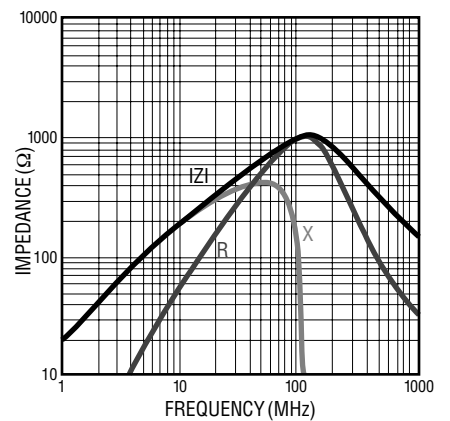
MU 2029- 471Y



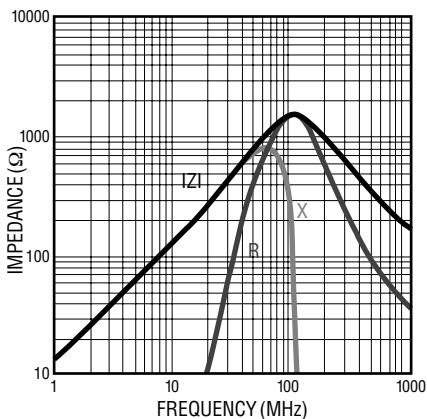
MZ 2029- 601Y



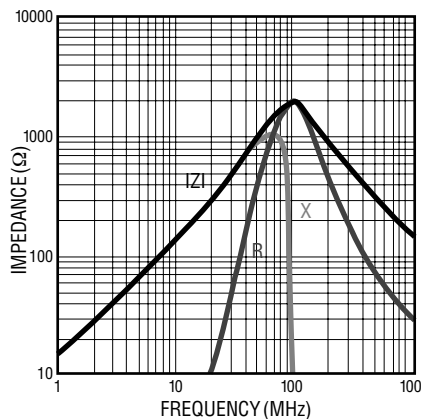
MZ 2029- 102Y



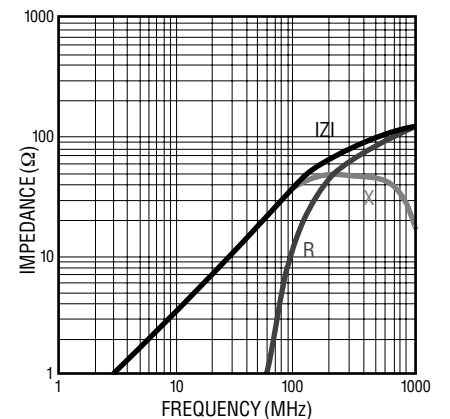
MG 2029- 152Y



MG 2029- 202Y



MG 1608- 400Y



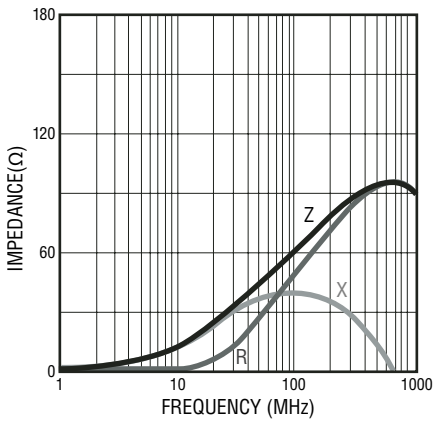
Specifications are subject to change without notice.
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MG, MU, MZ Series High Impedance Chip Ferrite Beads

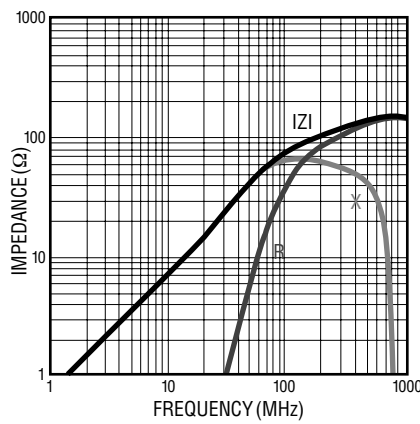
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Electrical Specifications (continued)

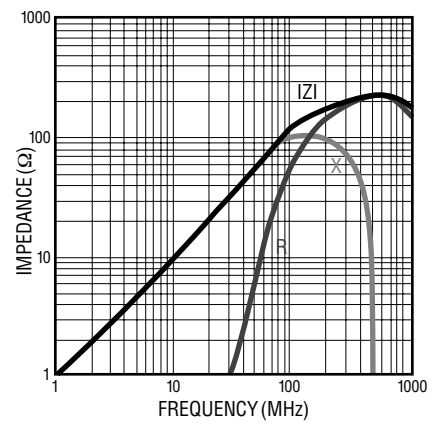
MU 1608- 600Y



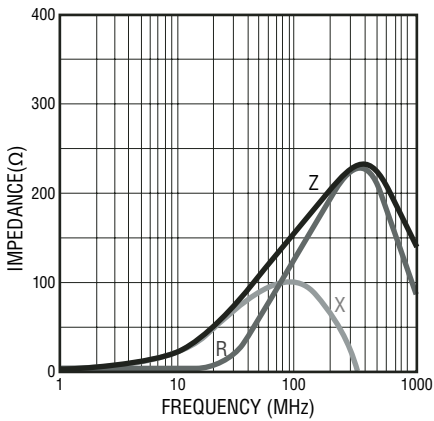
MG 1608- 800Y



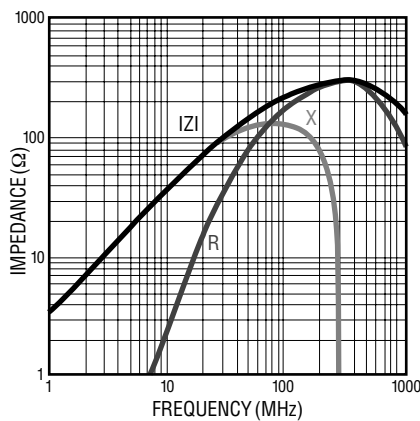
MG 1608- 121Y



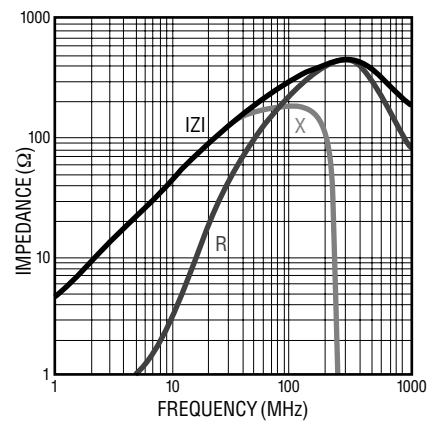
MU 1608- 151Y



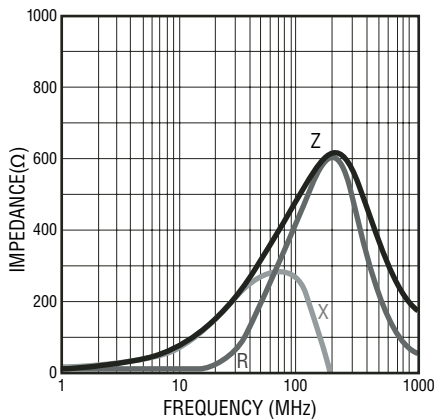
MU 1608- 221Y



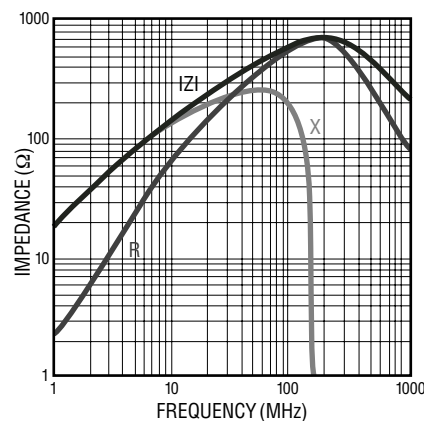
MU 1608- 301Y



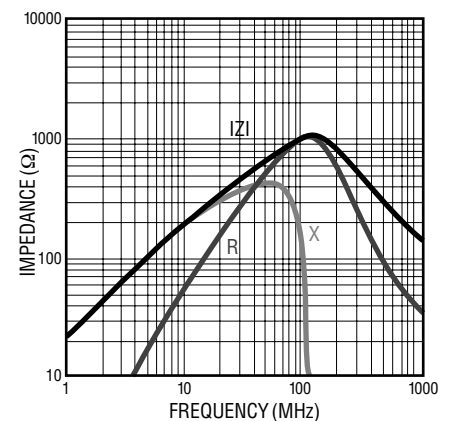
MU 1608- 471Y



MZ 1608- 601Y



MZ 1608- 102Y



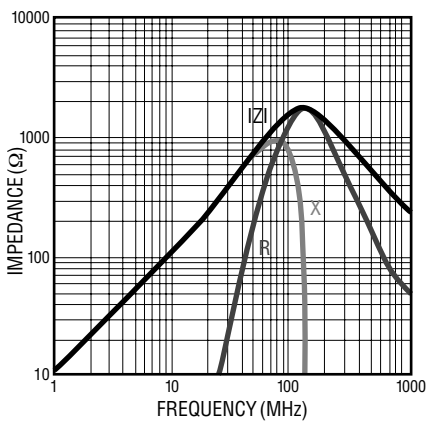
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MG, MU, MZ Series High Impedance Chip Ferrite Beads

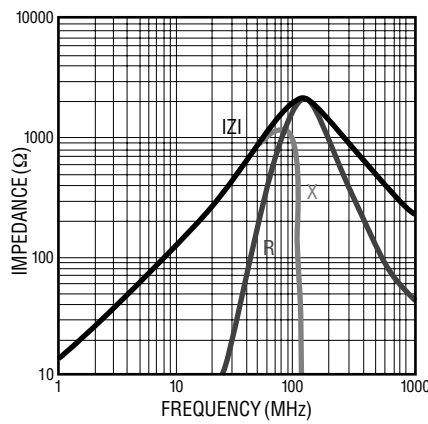
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Electrical Specifications (continued)

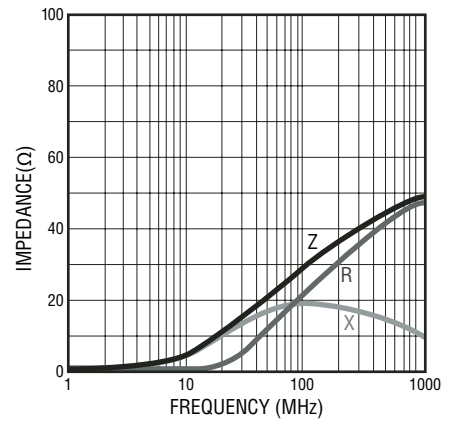
MG 1608- 152Y



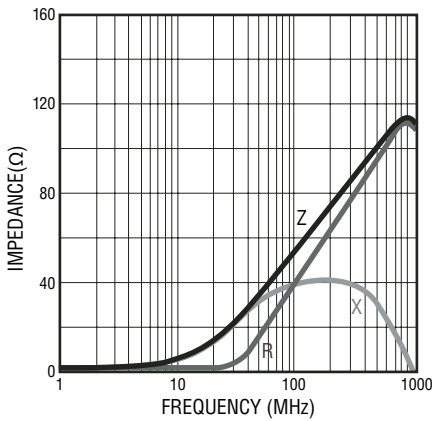
MG 1608- 202Y



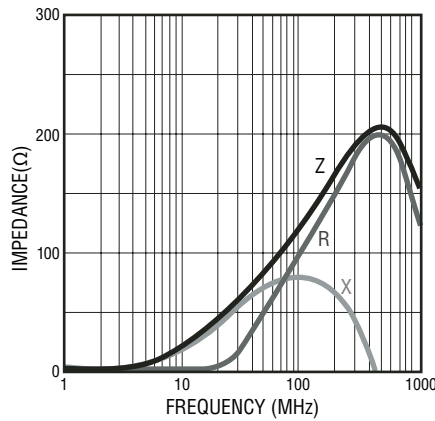
MU 1005- 300Y



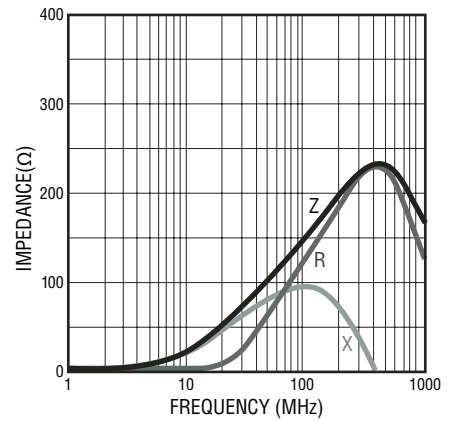
MU 1005- 600Y



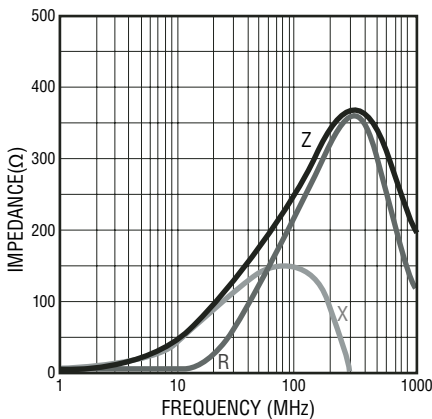
MU 1005- 121Y



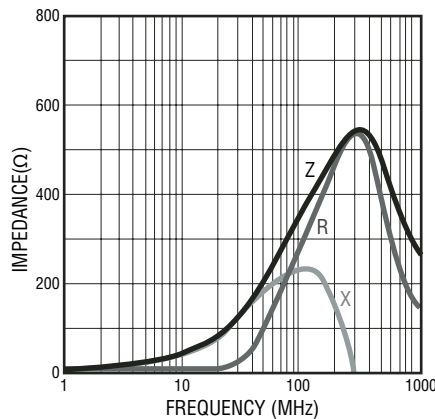
MU 1005- 151Y



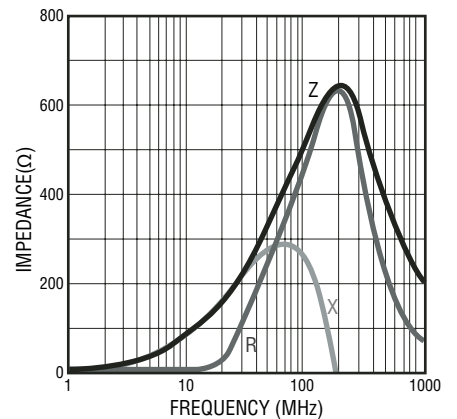
MU 1005- 221Y



MU 1005- 301Y



MU 1005- 471Y

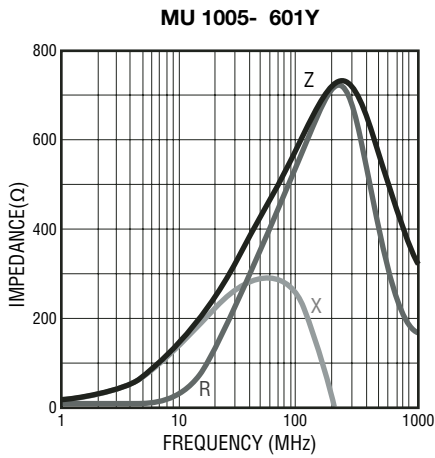


Specifications are subject to change without notice.
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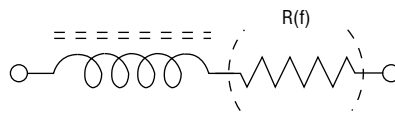
MG, MU, MZ Series High Impedance Chip Ferrite Beads

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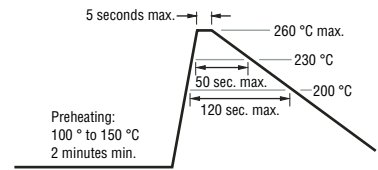
Electrical Specifications (continued)



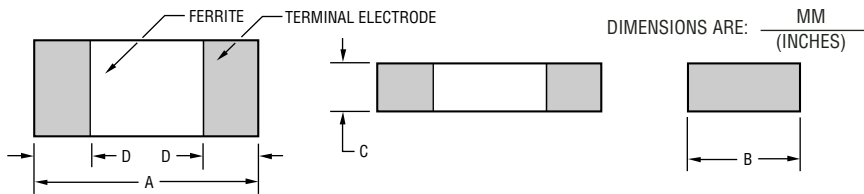
Equivalent Circuit



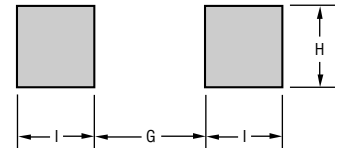
Recommended Soldering



Product Dimensions



Recommended Land Pattern

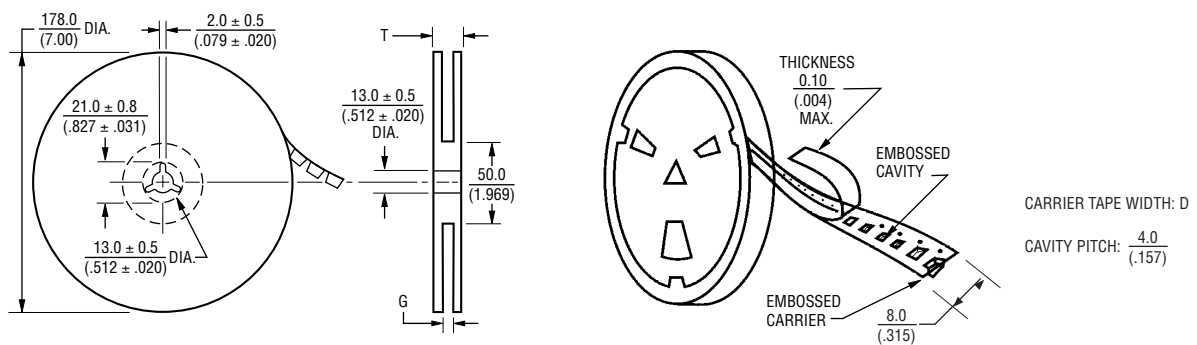


| Series | A | B | C | D | G | H | I |
|--------|---------------------------------------|---|--|--|----------------------|-----------------------|----------------------|
| 3261 | $\frac{3.2 \pm 0.2}{(.126 \pm .008)}$ | $\frac{1.6 \pm 0.2}{(.063 \pm .008)}$ | $\frac{1.1 \pm 0.2}{(.043 \pm .008)}$ | $\frac{0.5 \pm 0.2}{(.020 \pm .008)}$ | $\frac{2.0}{(.079)}$ | $\frac{1.4}{(.053)}$ | $\frac{1.1}{(.043)}$ |
| 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 | $\frac{1.0 \pm 0.10}{(.04 \pm .004)}$ | $\frac{0.50 \pm 0.10}{(0.02 \pm .004)}$ | $\frac{0.50 \pm 0.10}{(.02 \pm .004)}$ | $\frac{0.25 \pm 0.10}{(.01 \pm .004)}$ | $\frac{0.5}{(.02)}$ | $\frac{0.55}{(.022)}$ | $\frac{0.7}{(.028)}$ |

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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