



Features

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



This series is obsolete and not recommended for new designs. See [Product Obsolescence Memo](#) for details.

MT Series Low Impedance Chip Ferrite Beads

Electrical Specifications

| Model Number | Impedance (Ω) at 100 MHz | RDC (Ω) Max. | IDC (mA) Max. |
|--------------|--------------------------|--------------|---------------|
| MT4532-250Y | 25 ±25 % | 0.4 | 300 |
| MT4532-700Y | 70 ±25 % | 0.3 | 300 |
| MT4532-121Y | 120 ±25 % | 0.3 | 300 |
| MT4532-131Y | 125 ±25 % | 0.3 | 300 |
| MT4516-800Y | 80 ±25 % | 0.3 | 300 |
| MT4516-101Y | 100 ±25 % | 0.1 | 500 |
| MT4516-151Y | 150 ±25 % | 0.3 | 300 |
| MT3225-310Y | 31 ±25 % | 0.3 | 400 |
| MT3225-520Y | 52 ±25 % | 0.3 | 400 |
| MT3225-600Y | 60 ±25 % | 0.3 | 400 |
| MT3266-600Y | 60 ±25 % | 0.3 | 400 |
| MT3261-190Y | 19 ±25 % | 0.2 | 500 |
| MT3261-260Y | 26 ±25 % | 0.2 | 500 |
| MT3261-310Y | 31 ±25 % | 0.2 | 500 |
| MT3261-420Y | 42 ±25 % | 0.2 | 500 |
| MT3261-500Y | 50 ±25 % | 0.2 | 500 |
| MT3261-700Y | 70 ±25 % | 0.2 | 500 |
| MT3261-900Y | 90 ±25 % | 0.2 | 500 |
| MT2029-070Y | 7 ±25 % | 0.2 | 600 |
| MT2029-100Y | 10 ±25 % | 0.2 | 600 |
| MT2029-110Y | 11 ±25 % | 0.2 | 600 |
| MT2029-170Y | 17 ±25 % | 0.1 | 600 |
| MT2029-260Y | 26 ±25 % | 0.1 | 600 |
| MT2029-300Y | 30 ±25 % | 0.1 | 600 |
| MT2029-400Y | 40 ±25 % | 0.1 | 600 |
| MT1608-050Y | 5 ±25 % | 0.2 | 600 |
| MT1608-090Y | 9 ±25 % | 0.2 | 500 |
| MT1608-300Y | 30 ±25 % | 0.3 | 400 |

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)

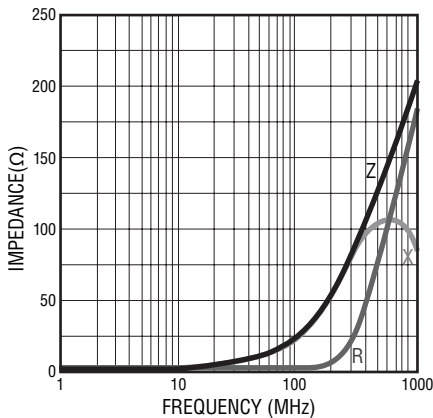
| | |
|-------------|-----------------|
| 4532 Series |1.5 F (Kg) |
| 4516 Series |1.0 F (Kg) |
| 3225 Series |1.0 F (Kg) |
| 3266 Series |1.0 F (Kg) |
| 3261 Series |1.0 F (Kg) |
| 2029 Series |0.6 F (Kg) |
| 1608 Series |0.5 F (Kg) |

Materials

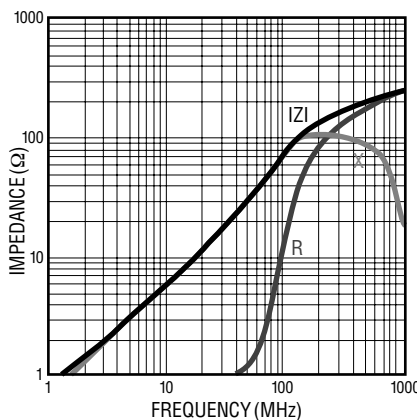
Core MaterialFerrite
 Internal ConductorAg or Ag/Pd
 TerminalAg/Ni/Sn

Electrical Specifications (continued)

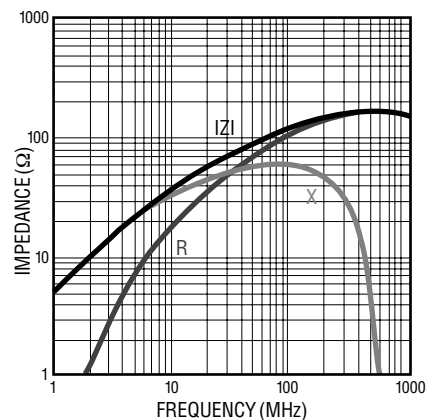
MT 4532- 250Y



MT 4532- 700Y



MT 4532- 121Y



*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. Customers should verify actual device performance in their specific applications.

Applications

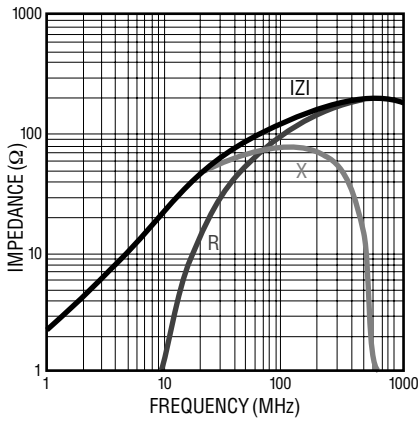
- Power supply lines
- IC power lines
- Signal lines

MT Series Low Impedance Chip Ferrite Beads

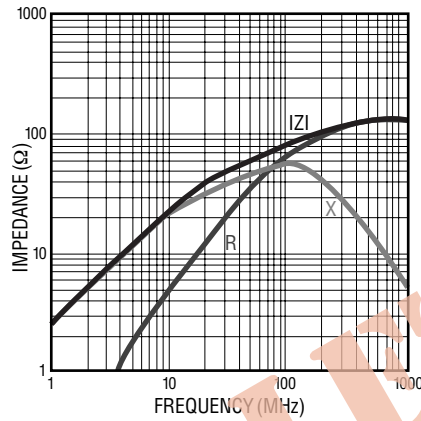
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Electrical Specifications (continued)

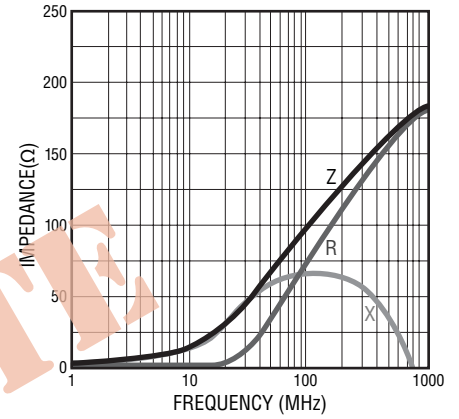
MT 4532- 131Y



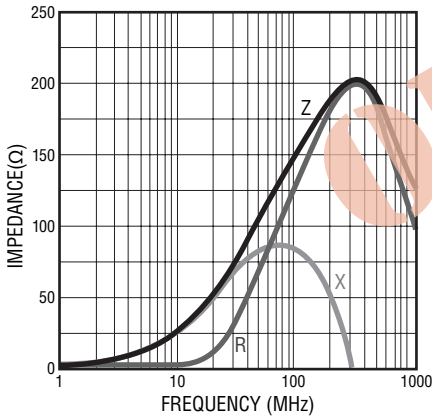
MT 4516- 800Y



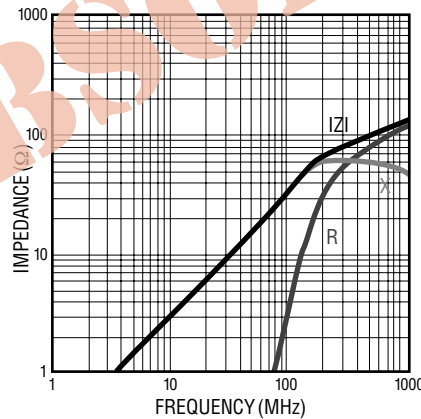
MT 4516- 101Y



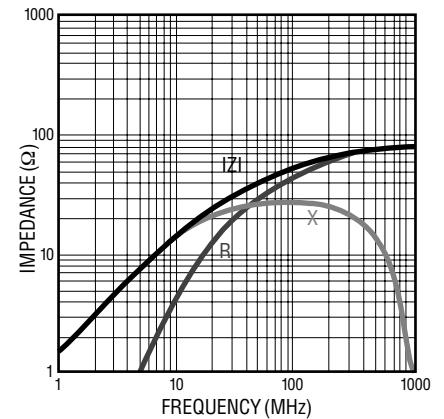
MT 4516- 151Y



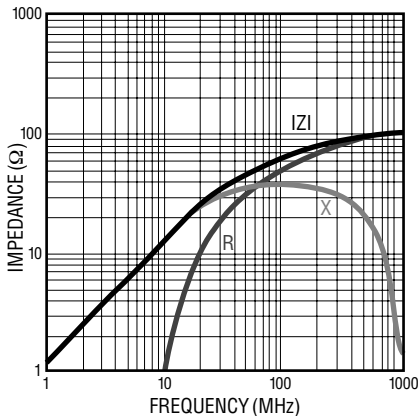
MT 3225- 310Y



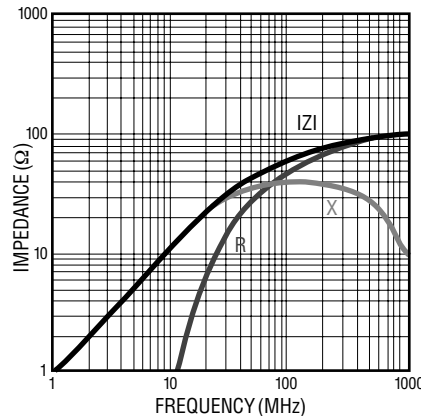
MT 3225- 520Y



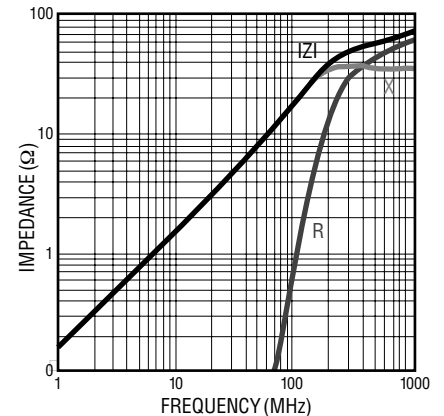
MT 3225- 600Y



MT 3266- 600Y



MT 3261- 190Y



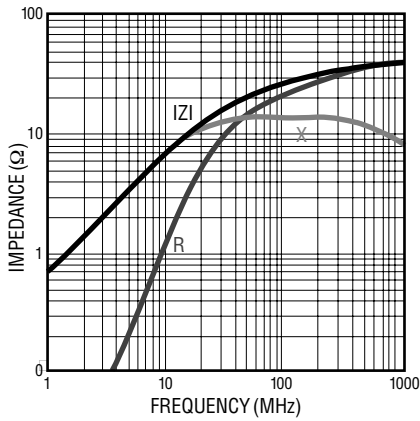
Specifications are subject to change without notice.
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MT Series Low Impedance Chip Ferrite Beads

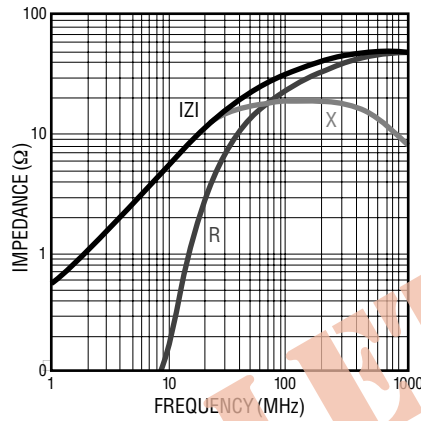
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Electrical Specifications (continued)

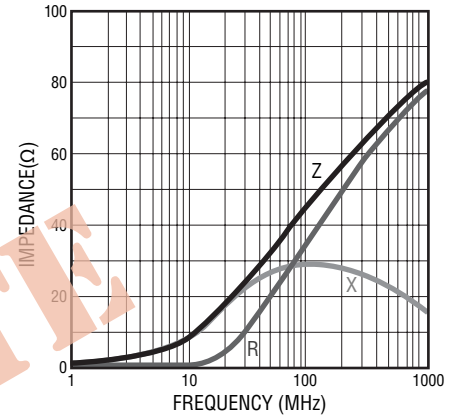
MT 3261- 260Y



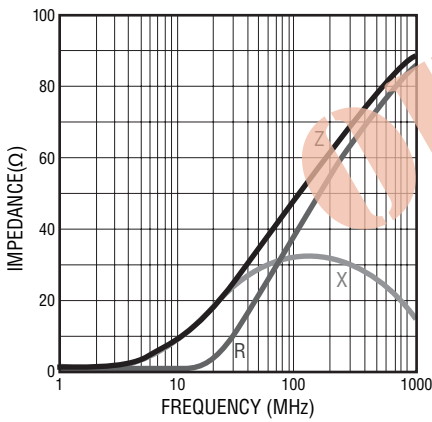
MT 3261- 310Y



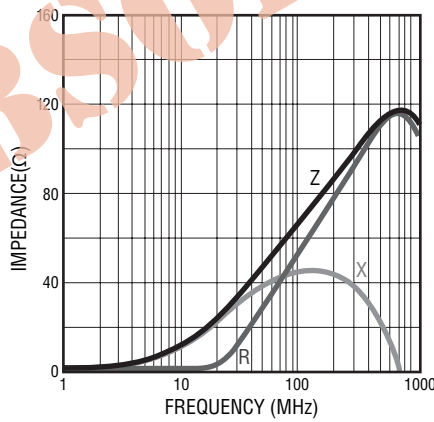
MT 3261- 420Y



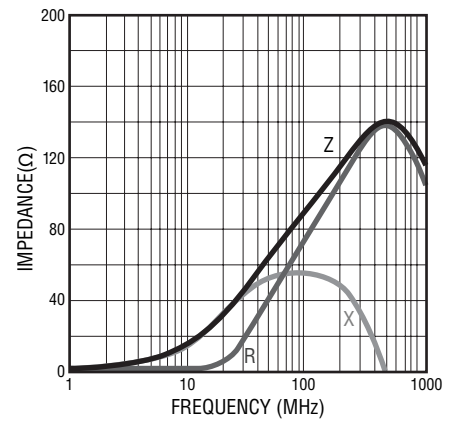
MT 3261- 500Y



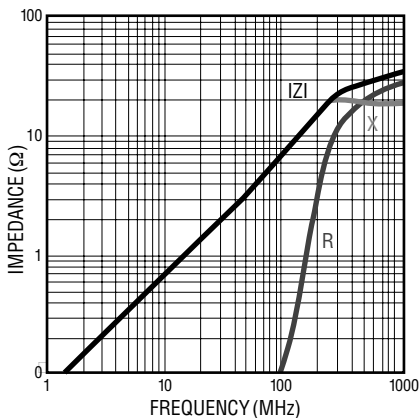
MT 3261- 700Y



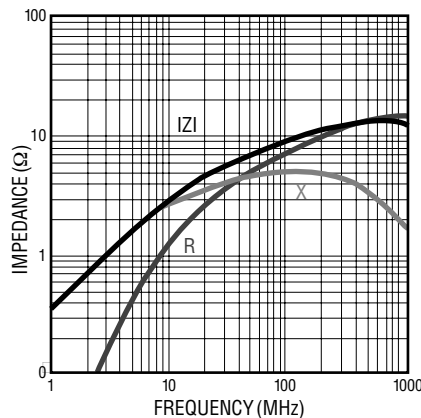
MT 3261- 900Y



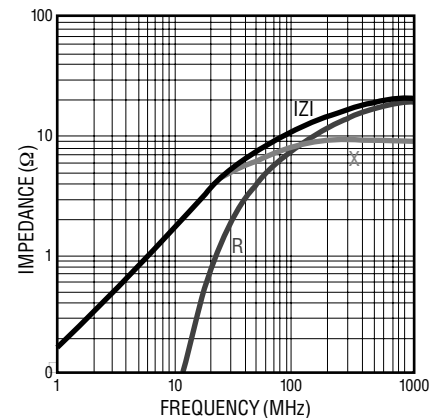
MT 2029- 070Y



MT 2029- 100Y



MT 2029- 110Y



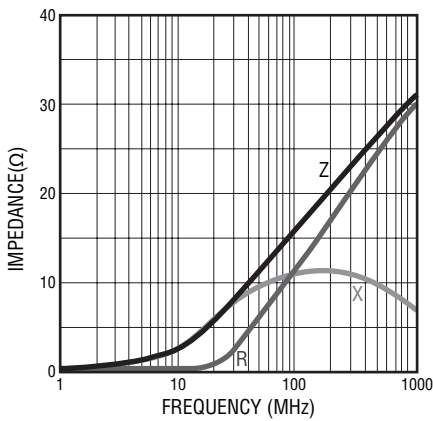
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MT Series Low Impedance Chip Ferrite Beads

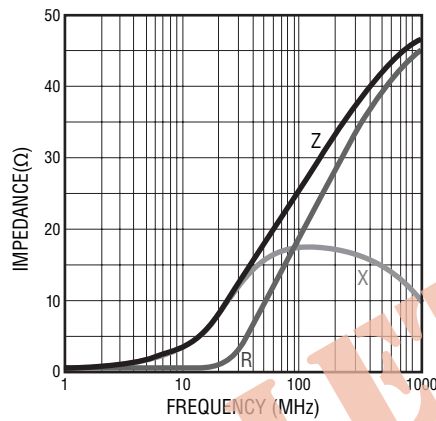
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Electrical Specifications (continued)

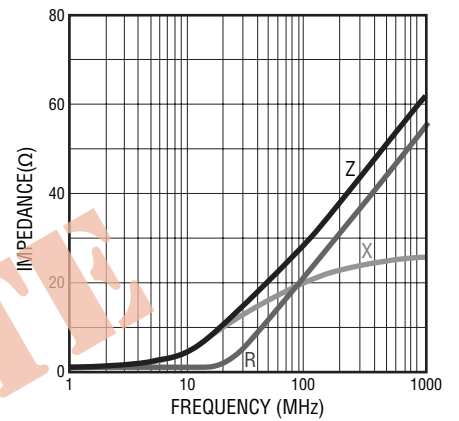
MT 2029- 170Y



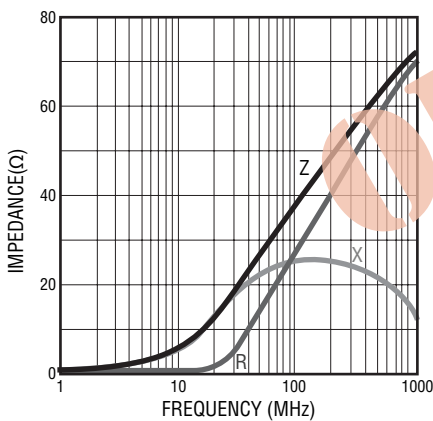
MT 2029- 260Y



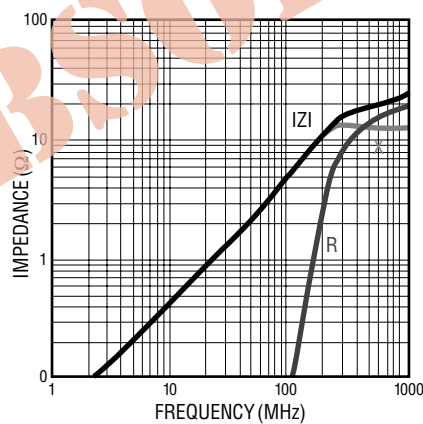
MT 2029- 300Y



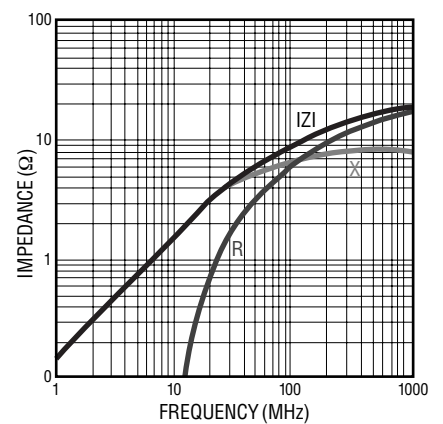
MT 2029- 400Y



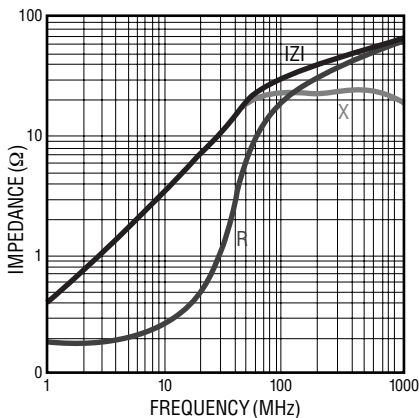
MT 1608- 050Y



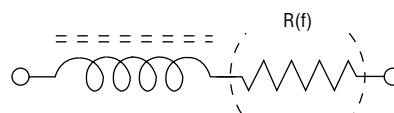
MT 1608- 090Y



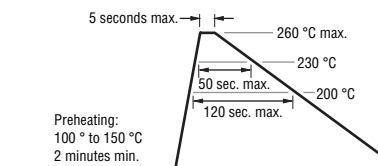
MT 1608- 300Y



Equivalent Circuit



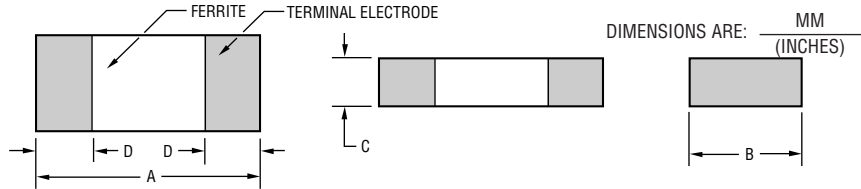
Recommended Soldering



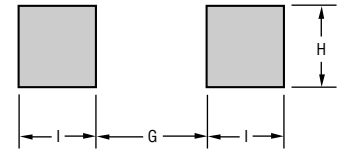
MT Series Low Impedance Chip Ferrite Beads

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Product Dimensions

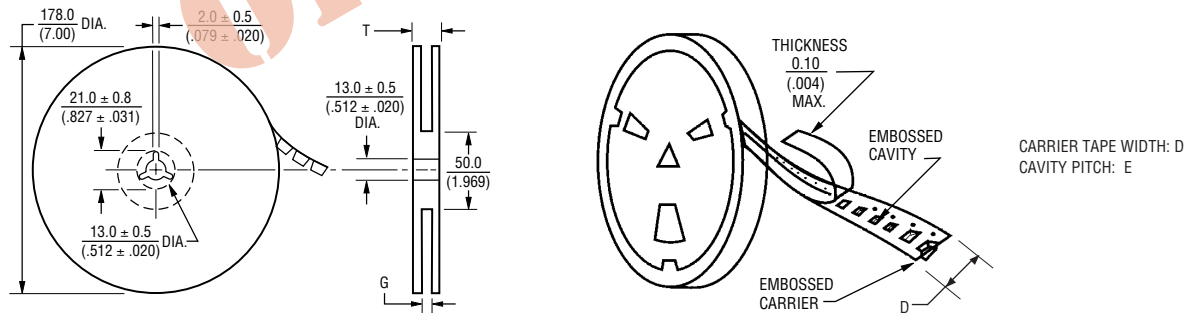


Recommended Land Pattern



| Series | A | B | C | D | G | H | I |
|--------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------|----------------------|----------------------|
| 4532 | $\frac{4.5 - 0.2}{(.177 - .008)}$ | $\frac{3.2 - 0.2}{(.126 - .008)}$ | $\frac{1.5 - 0.2}{(.059 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{3.0}{(.118)}$ | $\frac{3.0}{(.118)}$ | $\frac{1.5}{(.059)}$ |
| 4516 | $\frac{4.5 - 0.2}{(.177 - .008)}$ | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{3.0}{(.118)}$ | $\frac{1.4}{(.055)}$ | $\frac{1.5}{(.059)}$ |
| 3266 | $\frac{3.2 - 0.2}{(.126 - .008)}$ | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{2.2}{(.118)}$ | $\frac{1.4}{(.053)}$ | $\frac{1.1}{(.043)}$ |
| 3261 | $\frac{3.2 - 0.2}{(.126 - .008)}$ | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{1.1 - 0.2}{(.043 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{2.0}{(.079)}$ | $\frac{1.4}{(.053)}$ | $\frac{1.1}{(.043)}$ |
| 3225 | $\frac{3.2 - 0.2}{(.126 - .008)}$ | $\frac{2.5 - 0.2}{(.098 - .008)}$ | $\frac{1.3 - 0.2}{(.051 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{2.2}{(.118)}$ | $\frac{2.3}{(.091)}$ | $\frac{1.1}{(.043)}$ |
| 2029 | $\frac{2.0 - 0.2}{(.079 - .008)}$ | $\frac{1.2 - 0.2}{(.047 - .008)}$ | $\frac{0.9 - 0.2}{(.035 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{1.0}{(.040)}$ | $\frac{1.0}{(.040)}$ | $\frac{1.0}{(.040)}$ |
| 1608 | $\frac{1.6 - 0.2}{(.063 - .008)}$ | $\frac{0.8 - 0.2}{(.031 - .008)}$ | $\frac{0.8 - 0.2}{(.031 - .008)}$ | $\frac{0.5 - 0.2}{(.020 - .008)}$ | $\frac{0.7}{(.028)}$ | $\frac{0.7}{(.128)}$ | $\frac{0.7}{(.128)}$ |

Reel Dimensions



| Series | Pcs. per Reel | Gross Weight (g) | D | E | G | T |
|--------|---------------|------------------|-----------------------|----------------------|-------------------------------|-----------------------|
| 4532 | 1,000 | 170 | $\frac{12.0}{(.472)}$ | $\frac{8.0}{(.315)}$ | $\frac{14.0 + 0}{(.551 + 0)}$ | $\frac{16.5}{(.650)}$ |
| 4516 | 2,000 | 180 | $\frac{12.0}{(.472)}$ | $\frac{8.0}{(.315)}$ | $\frac{14.0 + 0}{(.551 + 0)}$ | $\frac{16.5}{(.650)}$ |
| 3266 | 2,000 | 140 | $\frac{8.0}{(.315)}$ | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |
| 3261 | 3,000 | 150 | $\frac{8.0}{(.315)}$ | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |
| 3225 | 2,500 | 160 | $\frac{8.0}{(.315)}$ | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |
| 2029 | 4,000 | 120 | $\frac{8.0}{(.315)}$ | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |
| 1608 | 4,000 | 90 | $\frac{8.0}{(.315)}$ | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |

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