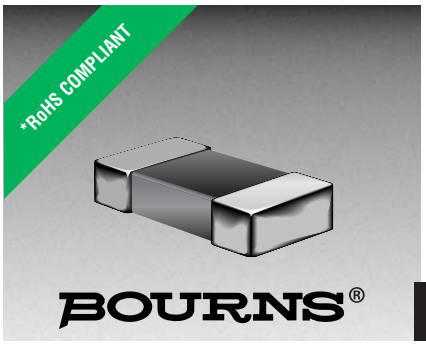


BOURNS®

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This series is obsolete and not recommended for new designs.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

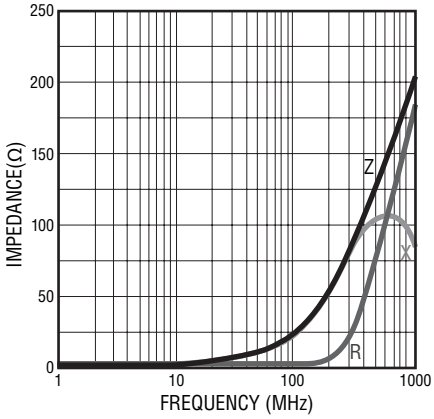
Operating Temperature .....-55 °C to +125 °C
Storage Temperature ..-55 °C to +125 °C
Storage Condition .....+40 °C max. at 70 % RH
Reflow Soldering .....230 °C, 50 seconds max.
Resistance to Soldering Heat .....260 °C, 5 seconds
Rated Current .....Based on max. temperature rise of +40 °C
Terminal Strength
(Force "F" applied for 30 seconds)
4532 Series.....1.5 F (Kg)
4516 Series.....1.0 F (Kg)
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

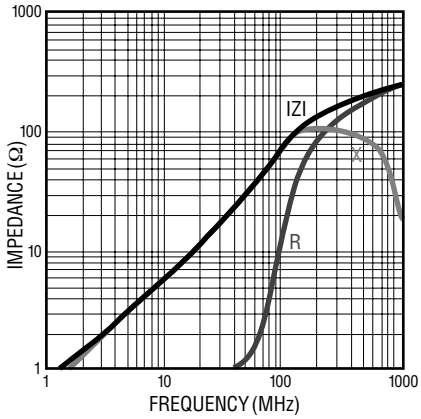
Core Material .....Ferrite
Internal Conductor .....Ag or Ag/Pd
Terminal .....Ag/Ni/Sn

Electrical Specifications (continued)

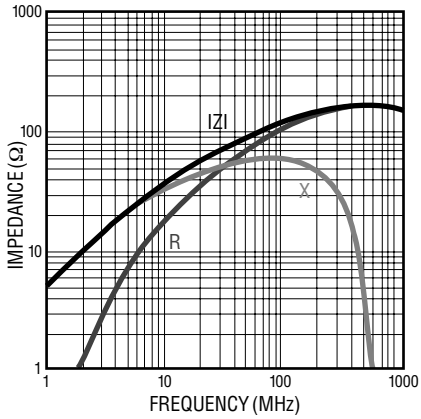
MT 4532- 250Y



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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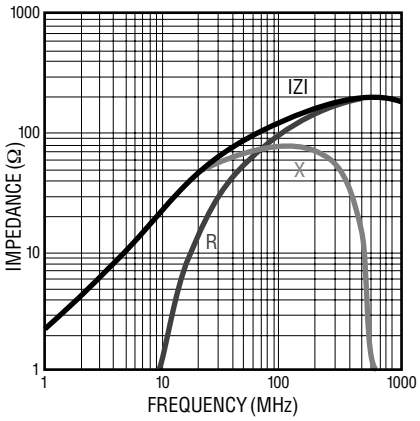
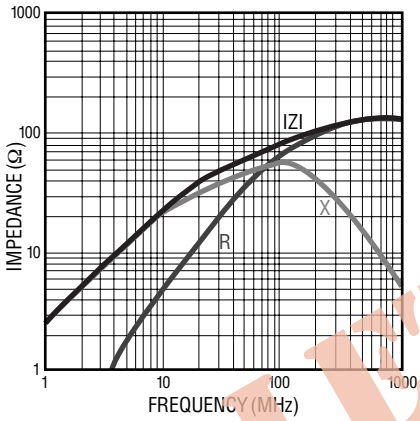
Electrical Specifications (continued)

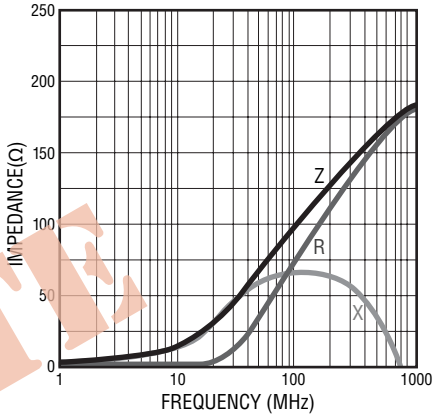
MT 4532- 131Y



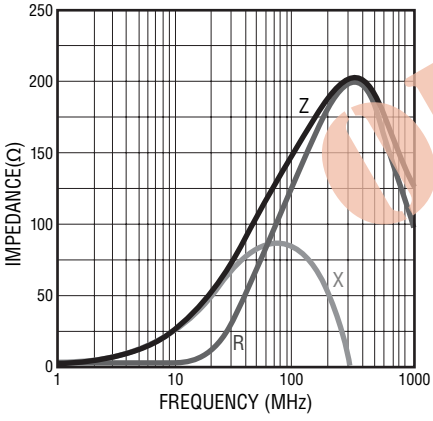
MT 4516- 800Y



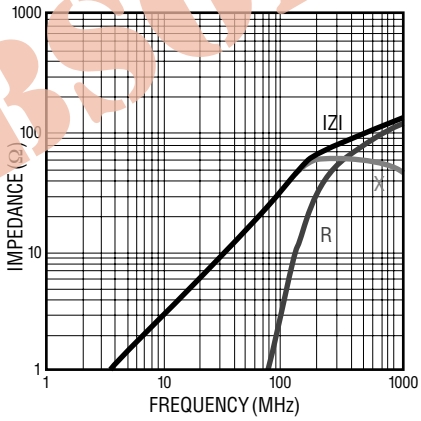
MT 4516- 101Y



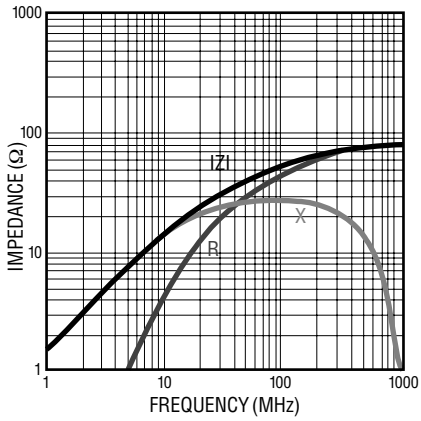
MT 4516- 151Y



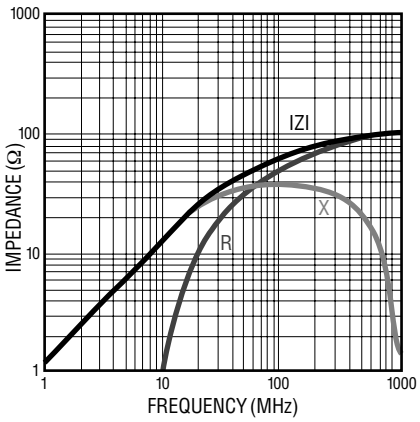
MT 3225- 310Y



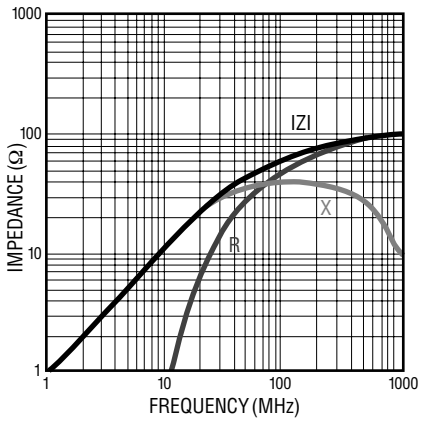
MT 3225- 520Y



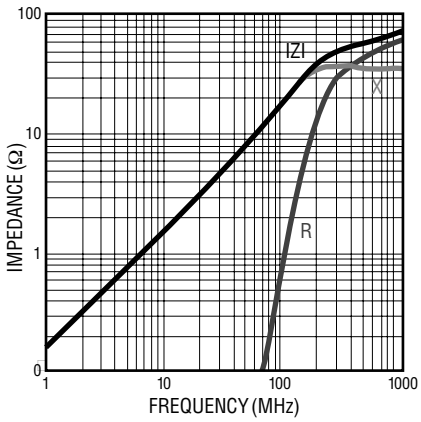
MT 3225- 600Y



MT 3266- 600Y



MT 3261- 190Y



Specifications are subject to change without notice.
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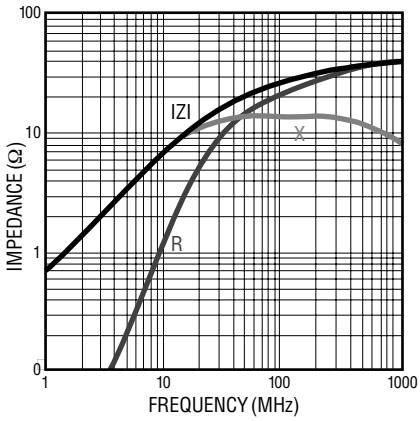
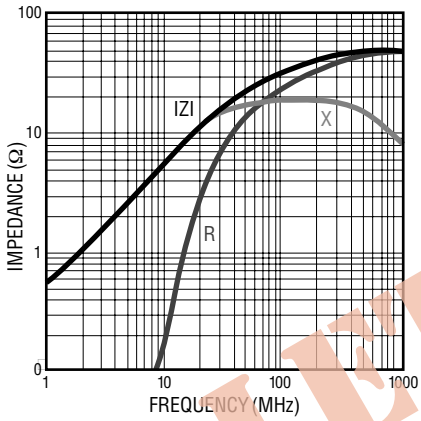
Electrical Specifications (continued)

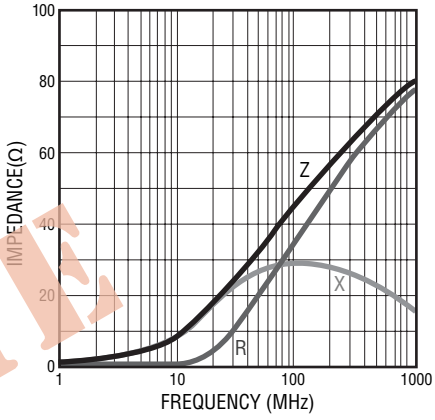
MT 3261- 260Y



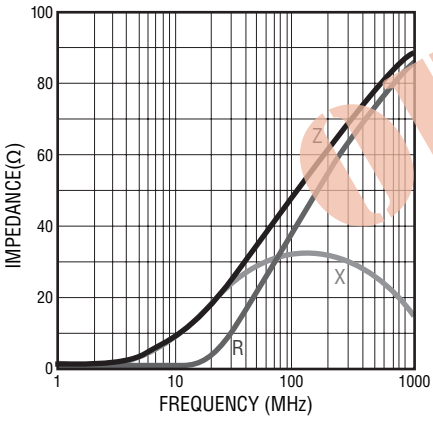
MT 3261- 310Y



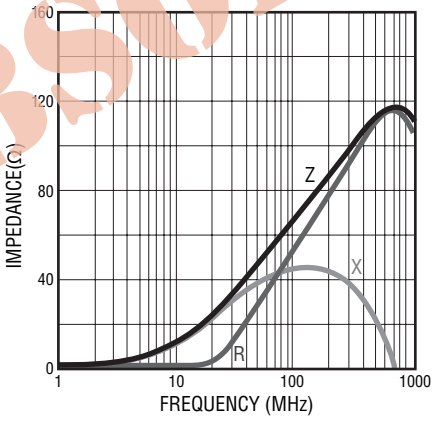
MT 3261- 420Y



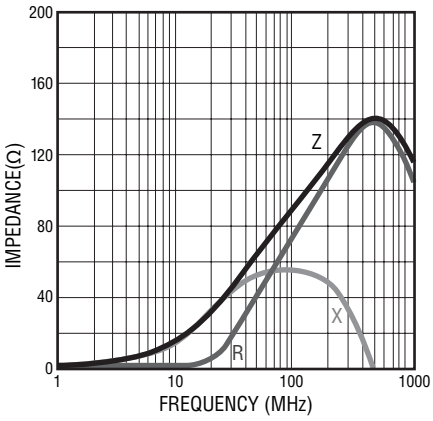
MT 3261- 500Y



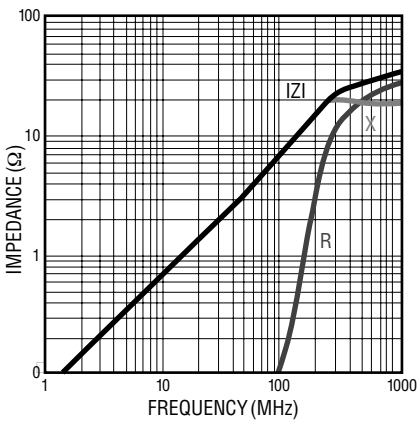
MT 3261- 700Y



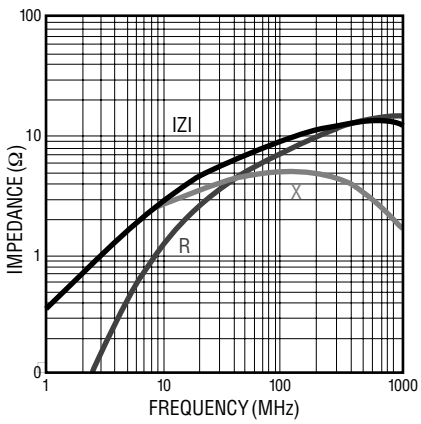
MT 3261- 900Y



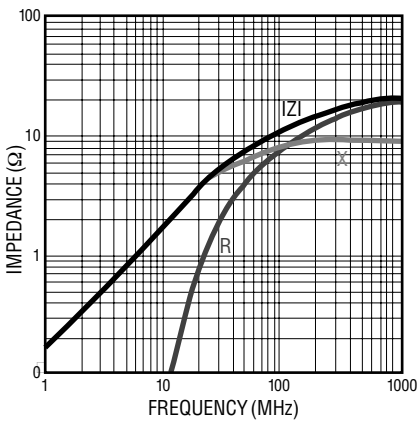
MT 2029- 070Y



MT 2029- 100Y



MT 2029- 110Y



Specifications are subject to change without notice.
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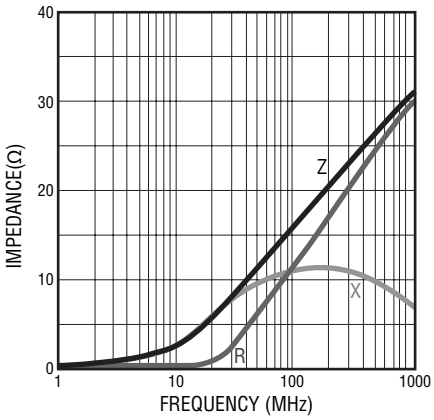
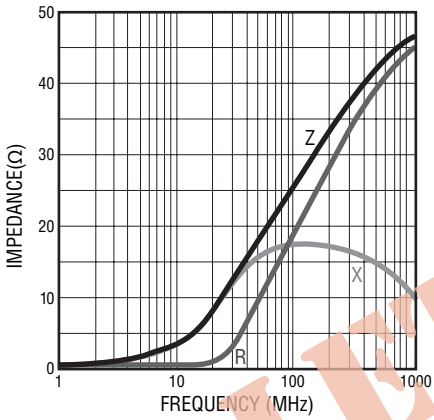
Electrical Specifications (continued)

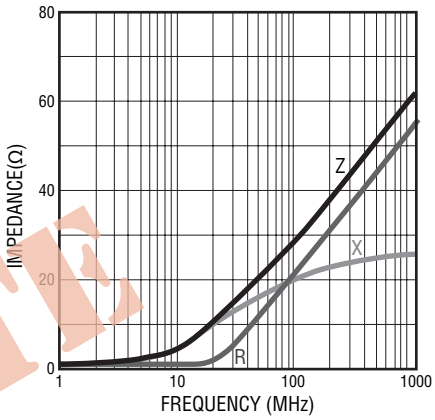
MT 2029- 170Y



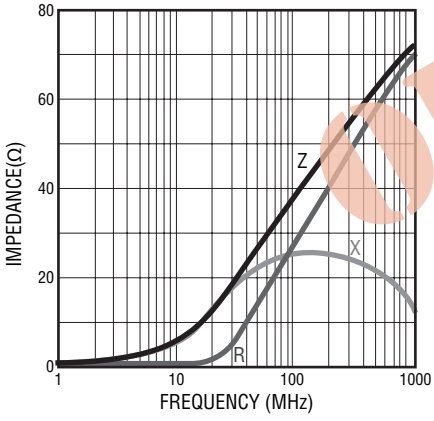
MT 2029- 260Y



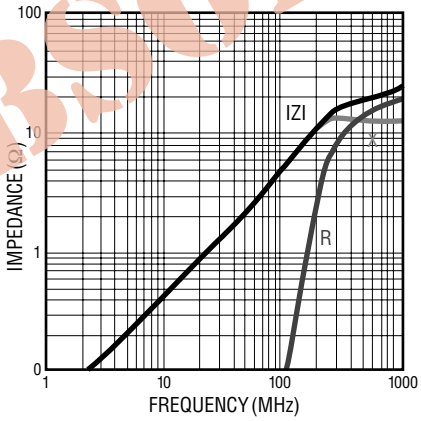
MT 2029- 300Y



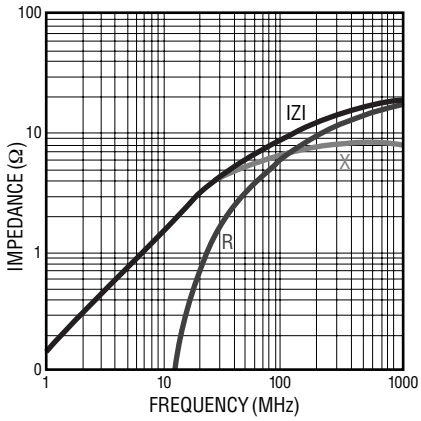
MT 2029- 400Y



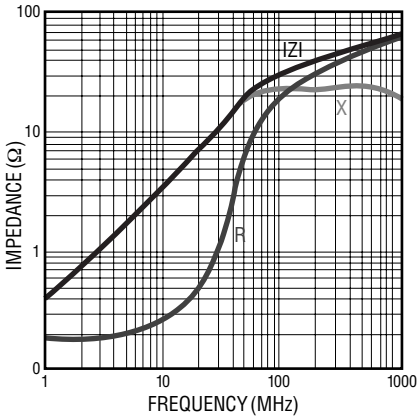
MT 1608- 050Y



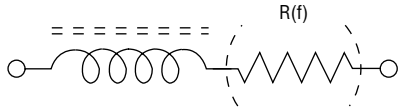
MT 1608- 090Y



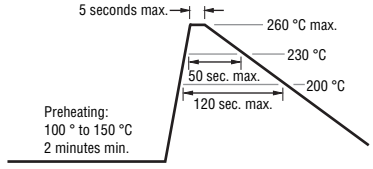
MT 1608- 300Y



Equivalent Circuit



Recommended Soldering



MT Series Low Impedance Chip Ferrite Beads

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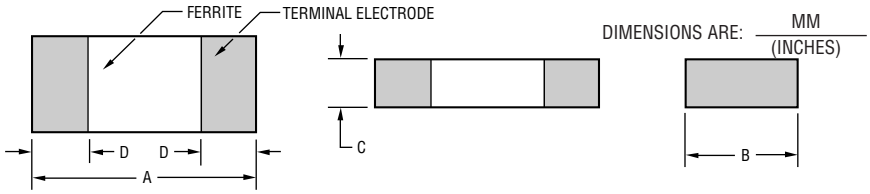
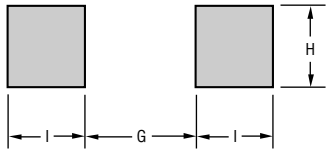
Product Dimensions

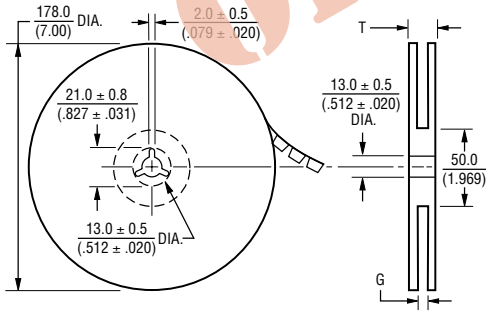


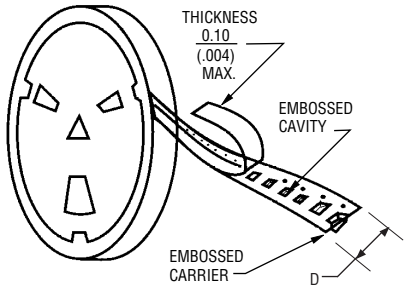
Recommended Land Pattern



Series	A	B	C	D	G	H	I
4532	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)
3266	3.2 – 0.2 (.126 – .008)	1.6 – 0.2 (.063 – .008)	1.6 – 0.2 (.063 – .008)	0.5 – 0.2 (.020 – .008)	2.2 (.118)	1.4 (.053)	1.1 (.043)
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





CARRIER TAPE WIDTH: D
CAVITY PITCH: E

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)
3266	2,000	140	8.0 (.315)	4.0 (.157)	10.0 + 0 (.394 + 0)	12.5 (.492)
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)

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REV. 12/11