



## Features

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

## Applications

- Power supply lines
- IC power lines
- Signal lines

# MH Series High Current Chip Ferrite Beads

### Electrical Specifications

| Model Number | Impedance ( $\Omega$ )<br>at 100 MHz | RDC (m $\Omega$ )<br>Max. | IDC (A)<br>Max. |
|--------------|--------------------------------------|---------------------------|-----------------|
| MH4532-700Y  | 70 $\pm$ 25 %                        | 30                        | 6.0             |
| MH4532-800Y  | 80 $\pm$ 25 %                        | 10                        | 6.0             |
| MH4532-121Y  | 120 $\pm$ 25 %                       | 50                        | 3.0             |
| MH4532-131Y  | 130 $\pm$ 25 %                       | 40                        | 3.0             |
| MH4532-151Y  | 150 $\pm$ 25 %                       | 20                        | 5.0             |
| MH4532-681Y  | 680 $\pm$ 25 %                       | 30                        | 4.0             |
| MH4532-132Y  | 1300 $\pm$ 25 %                      | 60                        | 3.0             |
| MH4516-600Y  | 60 $\pm$ 25 %                        | 10                        | 6.0             |
| MH4516-750Y  | 75 $\pm$ 25 %                        | 25                        | 3.0             |
| MH4516-800Y  | 80 $\pm$ 25 %                        | 50                        | 3.0             |
| MH4516-102Y  | 1000 $\pm$ 25 %                      | 150                       | 1.5             |
| MH3261-190Y  | 19 $\pm$ 25 %                        | 40                        | 3.0             |
| MH3261-260Y  | 26 $\pm$ 25 %                        | 40                        | 3.0             |
| MH3261-310Y  | 31 $\pm$ 25 %                        | 40                        | 3.0             |
| MH3261-500Y  | 50 $\pm$ 25 %                        | 25                        | 3.0             |
| MH3261-700Y  | 70 $\pm$ 25 %                        | 30                        | 4.0             |
| MH3261-800Y  | 80 $\pm$ 25 %                        | 30                        | 4.0             |
| MH3261-900Y  | 90 $\pm$ 25 %                        | 40                        | 3.0             |
| MH3261-101Y  | 100 $\pm$ 25 %                       | 30                        | 4.0             |
| MH3261-121Y  | 120 $\pm$ 25 %                       | 100                       | 2.0             |
| MH3261-151Y  | 150 $\pm$ 25 %                       | 100                       | 2.0             |
| MH3261-301Y  | 300 $\pm$ 25 %                       | 200                       | 1.0             |
| MH3261-471Y  | 470 $\pm$ 25 %                       | 200                       | 1.0             |
| MH3261-501Y  | 500 $\pm$ 25 %                       | 40                        | 3.0             |
| MH3261-601Y  | 600 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-070Y  | 7 $\pm$ 25 %                         | 30                        | 3.0             |
| MH2029-100Y  | 10 $\pm$ 25 %                        | 10                        | 6.0             |
| MH2029-300Y  | 30 $\pm$ 25 %                        | 25                        | 3.0             |
| MH2029-400Y  | 40 $\pm$ 25 %                        | 20                        | 5.0             |
| MH2029-600Y  | 60 $\pm$ 25 %                        | 20                        | 5.0             |
| MH2029-800Y  | 80 $\pm$ 25 %                        | 40                        | 3.0             |
| MH2029-101Y  | 100 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-121Y  | 120 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-151Y  | 150 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-221Y  | 220 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-301Y  | 300 $\pm$ 25 %                       | 200                       | 1.0             |
| MH2029-401Y  | 400 $\pm$ 25 %                       | 100                       | 2.0             |
| MH2029-471Y  | 470 $\pm$ 25 %                       | 200                       | 1.0             |
| MH2029-601Y  | 600 $\pm$ 25 %                       | 200                       | 1.0             |
| MH1608-100Y  | 10 $\pm$ 25 %                        | 100                       | 6.0             |
| MH1608-300Y  | 30 $\pm$ 25 %                        | 60                        | 3.0             |
| MH1608-600Y  | 60 $\pm$ 25 %                        | 40                        | 3.0             |
| MH1608-800Y  | 80 $\pm$ 25 %                        | 40                        | 3.0             |
| MH1608-101Y  | 100 $\pm$ 25 %                       | 40                        | 3.0             |
| MH1608-121Y  | 120 $\pm$ 25 %                       | 100                       | 2.0             |
| MH1608-151Y  | 150 $\pm$ 25 %                       | 100                       | 2.0             |
| MH1608-221Y  | 220 $\pm$ 25 %                       | 100                       | 2.0             |
| MH1608-301Y  | 300 $\pm$ 25 %                       | 200                       | 1.0             |
| MH1608-471Y  | 470 $\pm$ 25 %                       | 200                       | 1.0             |
| MH1608-601Y  | 600 $\pm$ 25 %                       | 200                       | 1.0             |

### 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 sec. 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)

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.

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# MH Series High Current Chip Ferrite Beads

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## Electrical Specifications (continued)

**MH 4532- 700Y**



**MH 4532- 800Y**



**MH 4532- 121Y**



**MH 4532- 131Y**



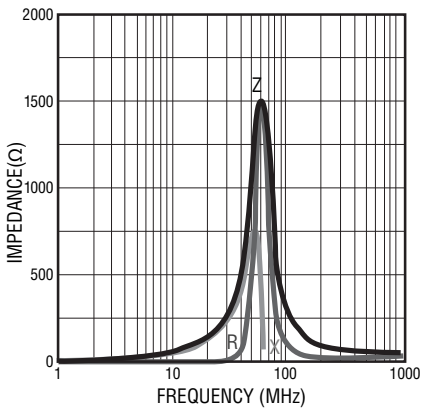
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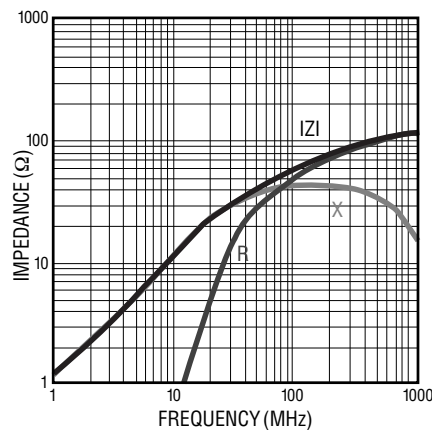
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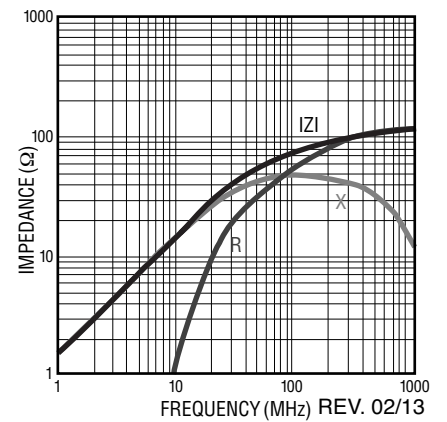
**MH 4532- 132Y**



**MH 4516- 600Y**



**MH 4516- 750Y**



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## Electrical Specifications (continued)

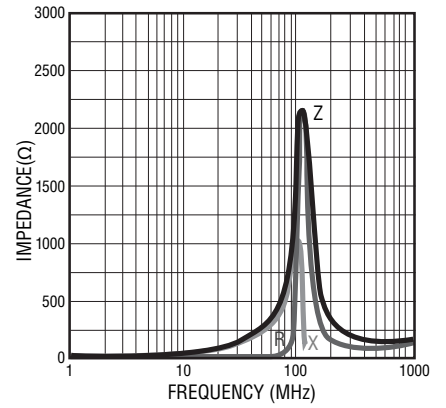
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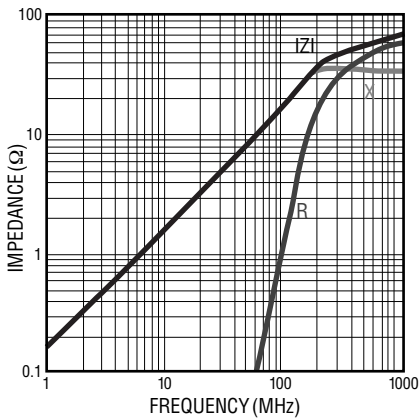
**MH 4516- 101Y**



**MH 4516- 102Y**



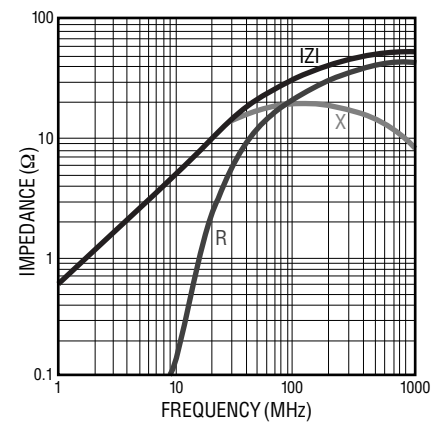
**MH 3261- 190Y**



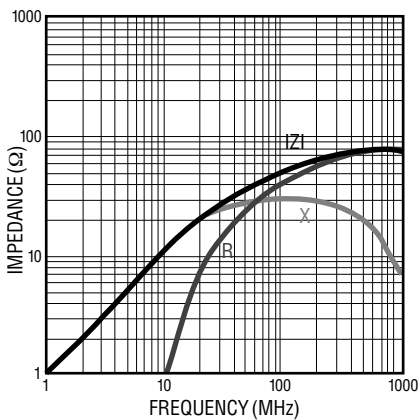
**MH 3261- 260Y**



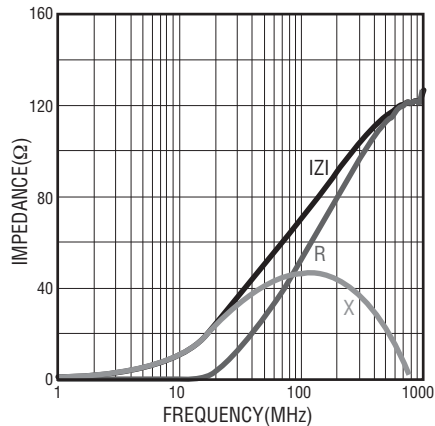
**MH 3261- 310Y**



**MH 3261- 500Y**



**MH 3261- 700Y**



**MH 3261- 800Y**



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# MH Series High Current Chip Ferrite Beads

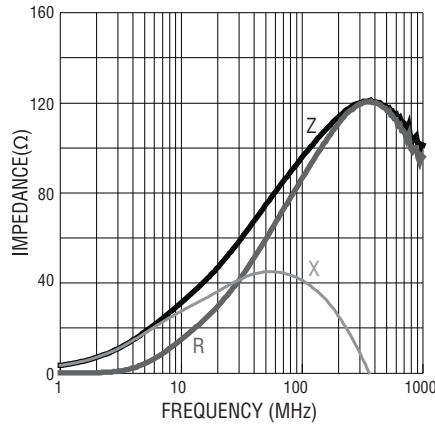
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## Electrical Specifications (continued)

**MH 3261- 900Y**



**MH 3261- 101Y**



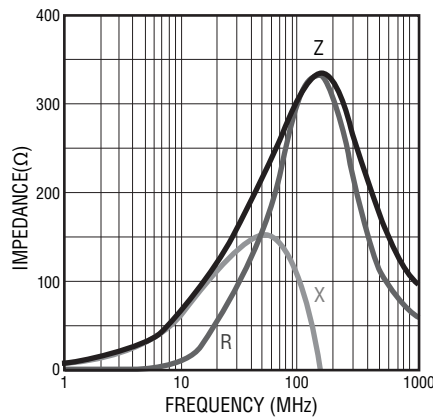
**MH 3261- 121Y**



**MH 3261- 151Y**



**MH 3261- 301Y**



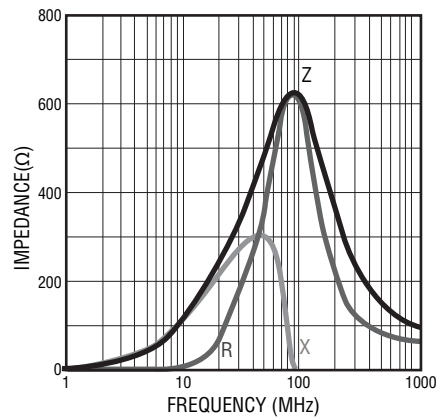
**MH 3261- 471Y**



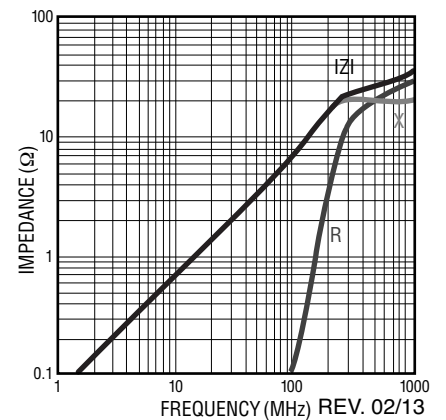
**MH 3261- 501Y**



**MH 3261- 601Y**



**MH 2029- 070Y**



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# MH Series High Current Chip Ferrite Beads

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## Electrical Specifications (continued)

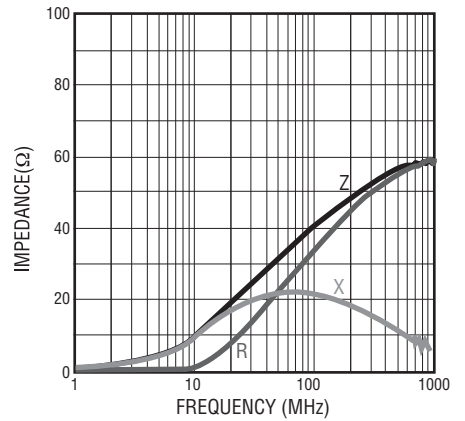
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**MH 2029- 300Y**



**MH 2029 -400Y**



**MH 2029 -600Y**



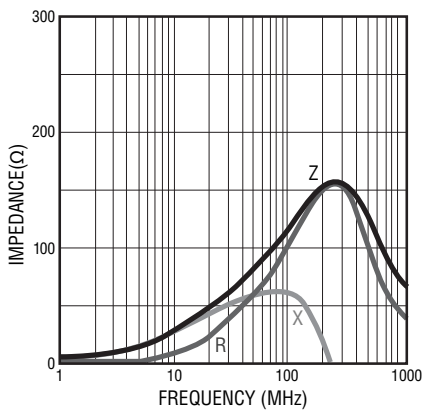
**MH 2029- 800Y**



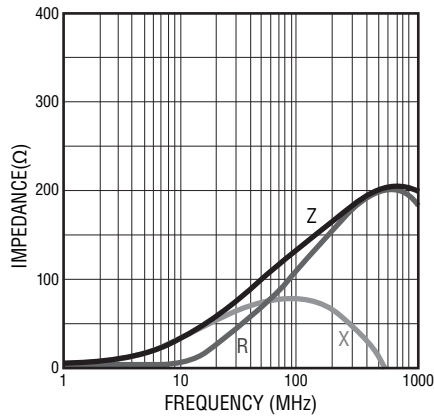
**MH 2029- 101Y**



**MH 2029- 121Y**



**MH 2029- 151Y**



**MH 2029- 221Y**



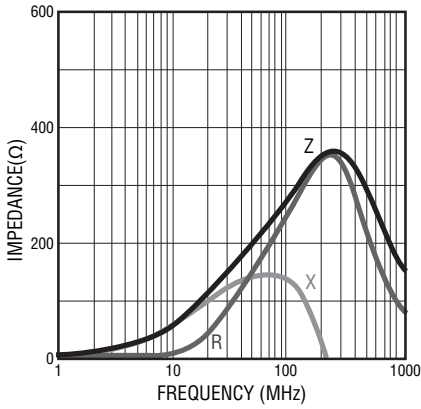
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# MH Series High Current Chip Ferrite Beads

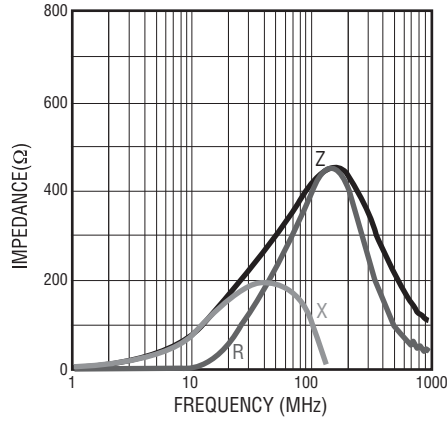
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## Electrical Specifications (continued)

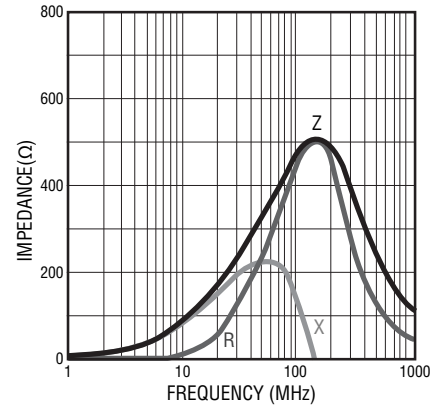
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**MH 2029 -401Y**



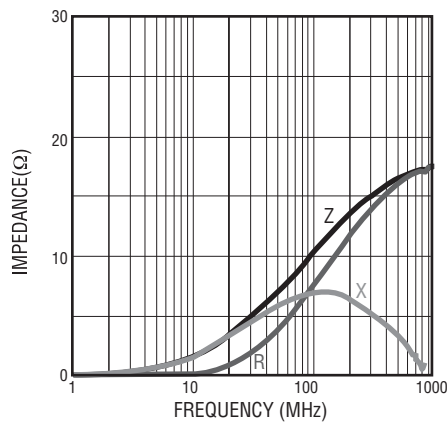
**MH 2029- 471Y**



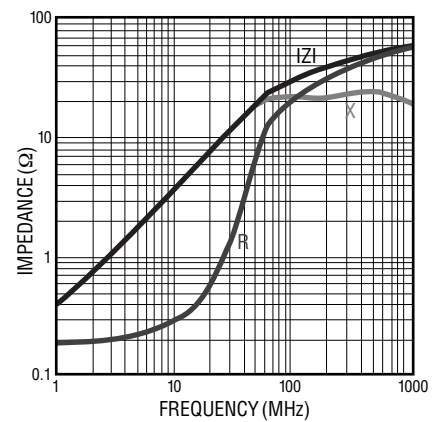
**MH 2029- 601Y**



**MH 1608 -100Y**



**MH 1608- 300Y**



**MH 1608 -600Y**



**MH 1608- 800Y**



**MH 1608- 101Y**



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# MH Series High Current Chip Ferrite Beads

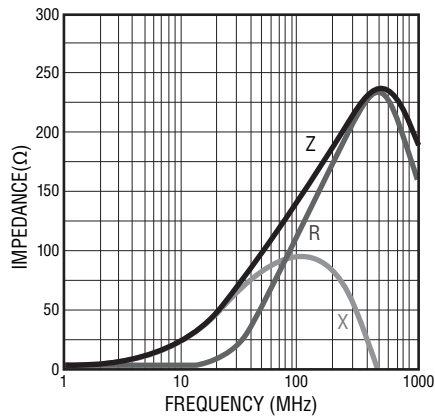
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## Electrical Specifications (continued)

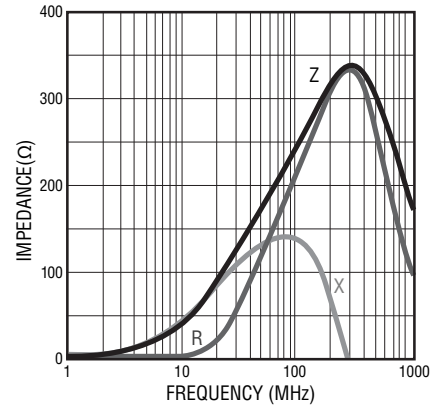
**MH 1608- 121Y**



**MH 1608- 151Y**



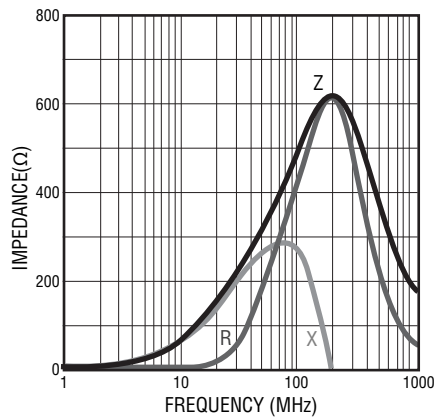
**MH 1608- 221Y**



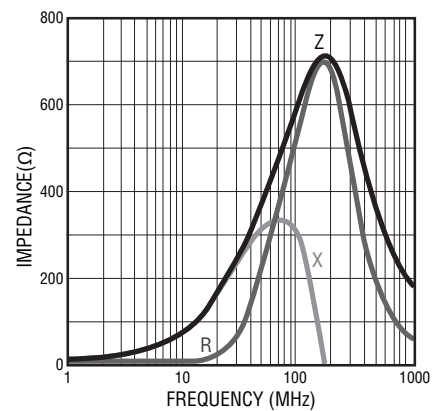
**MH 1608- 301Y**



**MH 1608- 471Y**



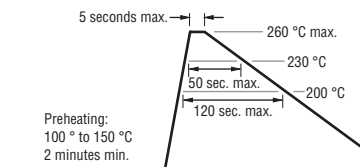
**MH 1608- 601Y**



## Equivalent Circuit



## Recommended Soldering



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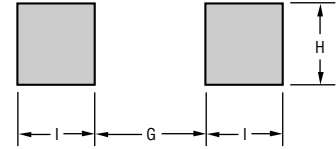
# MH Series High Current Chip Ferrite Beads

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## Product Dimensions

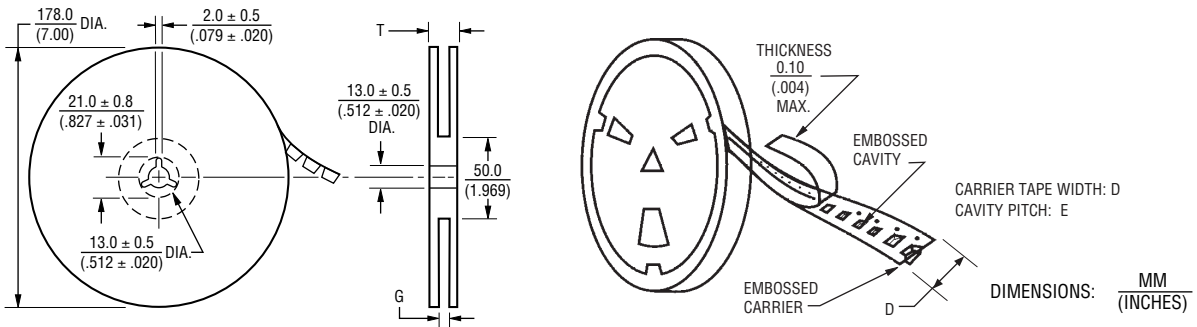


## Recommended Land Pattern



| Series | A                                     | B                                     | C                                     | D                                     | G                    | H                    | I                    |
|--------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------|----------------------|----------------------|
| 4532   | $\frac{4.5 \pm 0.2}{(.177 \pm .008)}$ | $\frac{3.2 \pm 0.2}{(.126 \pm .008)}$ | $\frac{1.5 \pm 0.2}{(.059 \pm .008)}$ | $\frac{0.5 \pm 0.2}{(.020 \pm .008)}$ | $\frac{3.0}{(.118)}$ | $\frac{3.0}{(.118)}$ | $\frac{1.5}{(.059)}$ |
| 4516   | $\frac{4.5 \pm 0.2}{(.177 \pm .008)}$ | $\frac{1.6 \pm 0.2}{(.063 \pm .008)}$ | $\frac{1.6 \pm 0.2}{(.063 \pm .008)}$ | $\frac{0.5 \pm 0.2}{(.020 \pm .008)}$ | $\frac{3.0}{(.118)}$ | $\frac{1.4}{(.055)}$ | $\frac{1.5}{(.059)}$ |
| 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   | $\frac{1.6 \pm 0.2}{(.063 \pm .008)}$ | $\frac{0.8 \pm 0.2}{(.031 \pm .008)}$ | $\frac{0.8 \pm 0.2}{(.031 \pm .008)}$ | $\frac{0.5 \pm 0.2}{(.020 \pm .008)}$ | $\frac{0.7}{(.028)}$ | $\frac{0.7}{(.028)}$ | $\frac{0.7}{(.028)}$ |

## 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              | $\frac{12.0}{(.472)}$ | $\frac{8.0}{(.315)}$ | $\frac{14.0 + 0}{(.551 + 0)}$ | $\frac{16.5}{(.650)}$ |
| 3261   | 3,000         | 150              | $\frac{8.0}{(.315)}$  | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |
| 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               | $\frac{8.0}{(.315)}$  | $\frac{4.0}{(.157)}$ | $\frac{10.0 + 0}{(.394 + 0)}$ | $\frac{12.5}{(.492)}$ |

REV. 02/13

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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