



## 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<br>(Ω) at 100 MHz | RDC<br>(Ω) Max. | IDC<br>(mA) Max. |
|--------------|-----------------------------|-----------------|------------------|
| MU3261-300Y  | 30 ±25 %                    | 0.20            | 500              |
| MU3261-600Y  | 60 ±25 %                    | 0.20            | 400              |
| MU3261-750Y  | 75 ±25 %                    | 0.20            | 400              |
| MU3261-101Y  | 100 ±25 %                   | 0.15            | 500              |
| 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              |
| MU3261-102Y  | 1000 ±25 %                  | 0.60            | 100              |
| MU3261-122Y  | 1200 ±25 % (at 50 MHz)      | 0.50            | 100              |
| MU3261-152Y  | 1500 ±25 % (at 50 MHz)      | 0.70            | 300              |
| MU3261-202Y  | 2000 ±25 % (at 30 MHz)      | 0.60            | 100              |
| MG2029-100Y  | 10 ±25 %                    | 0.20            | 400              |
| MG2029-300Y  | 30 ±25 %                    | 0.10            | 400              |
| MG2029-400Y  | 40 ±25 %                    | 0.20            | 300              |
| MU2029-600Y  | 60 ±25 %                    | 0.10            | 900              |
| MG2029-800Y  | 80 ±25 %                    | 0.20            | 300              |
| MG2029-101Y  | 100 ±25 %                   | 0.20            | 400              |
| MG2029-121Y  | 120 ±25 %                   | 0.25            | 300              |
| MU2029-151Y  | 150 ±25 %                   | 0.20            | 800              |
| MU2029-221Y  | 220 ±25 %                   | 0.30            | 500              |
| MU2029-301Y  | 300 ±25 %                   | 0.30            | 500              |
| 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              |
| MG1608-300Y  | 30 ±25 %                    | 0.20            | 200              |
| MG1608-400Y  | 40 ±25 %                    | 0.30            | 300              |
| MU1608-600Y  | 60 ±25 %                    | 0.20            | 700              |
| MG1608-800Y  | 80 ±25 %                    | 0.30            | 300              |
| MG1608-101Y  | 100 ±25 %                   | 0.25            | 200              |
| 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              |
| MU1005-100Y  | 10 ±25 %                    | 0.10            | 500              |
| 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              |
| MU1005-241Y  | 240 ±25 %                   | 0.60            | 100              |
| MU1005-301Y  | 300 ±25 %                   | 0.50            | 100              |
| MU1005-471Y  | 470 ±25 %                   | 0.65            | 100              |
| MU1005-601Y  | 600 ±25 %                   | 0.80            | 80               |
| MU1005-102Y  | 1000 ±25 %                  | 1.20            | 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

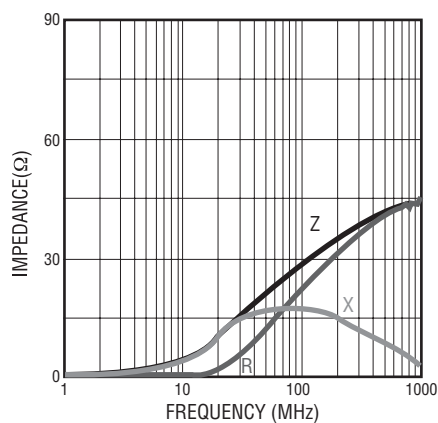
Core Material .....Ferrite  
Internal Conductor .....Ag or Ag/Pd  
Terminal .....Ag/Ni/Sn

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

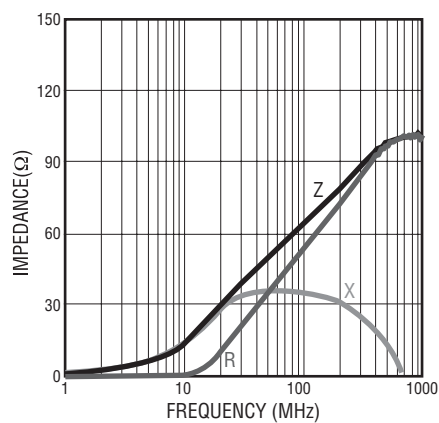
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## Electrical Specifications (continued)

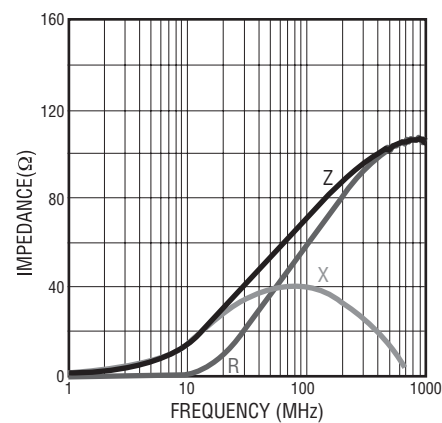
**MU 3261- 300Y**



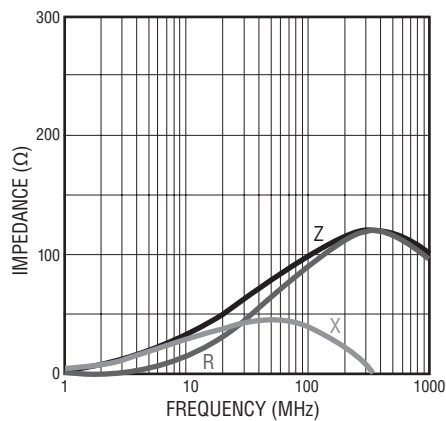
**MU 3261- 600Y**



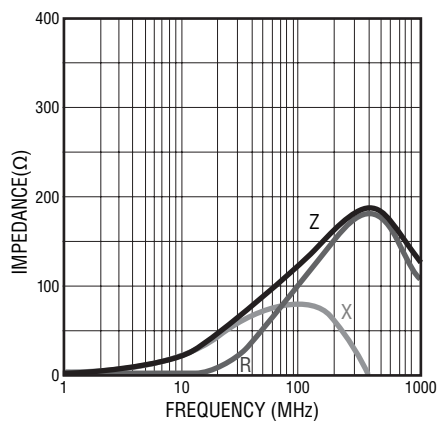
**MU 3261- 750Y**



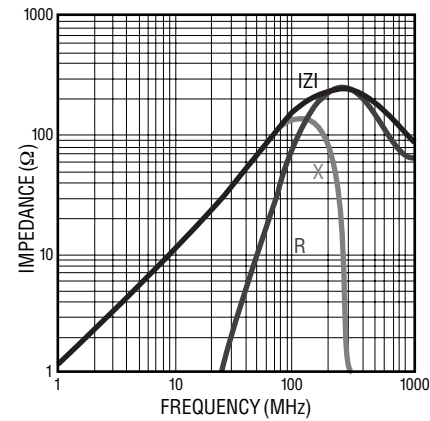
**MU 3261- 101Y**



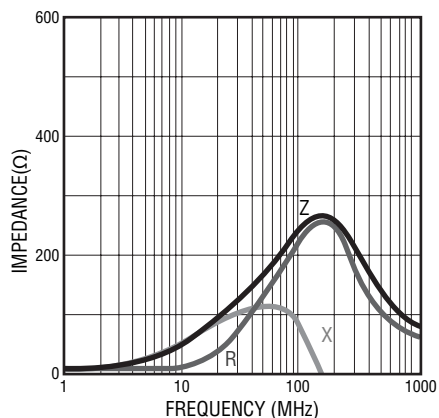
**MU 3261- 121Y**



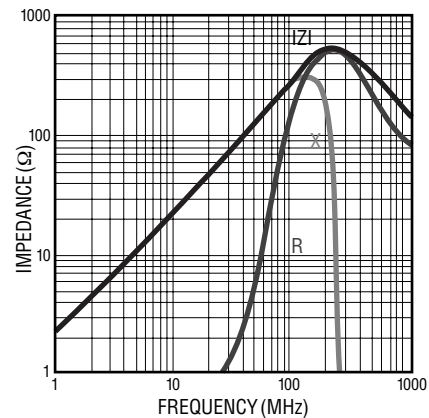
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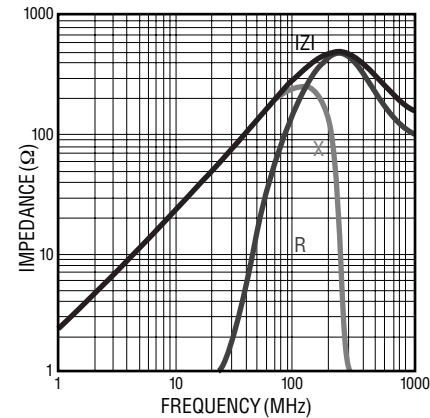
**MU 3261- 221Y**



**MG 3261- 301Y**



**MU 3261- 301Y**



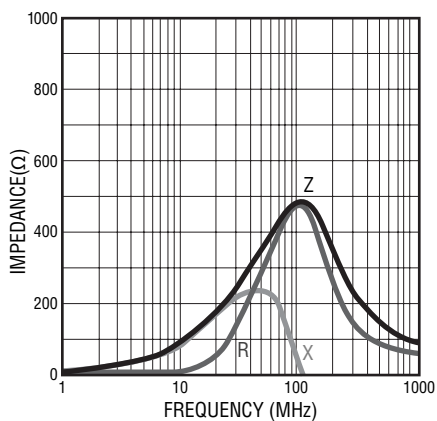
Specifications are subject to change without notice.  
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

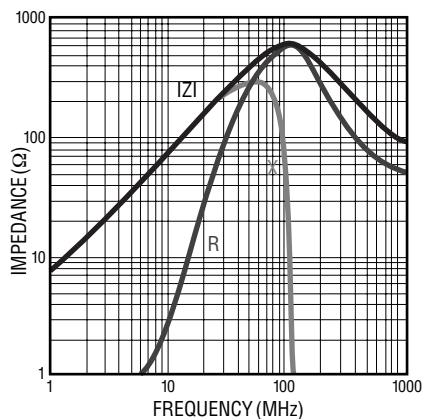
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## Electrical Specifications (continued)

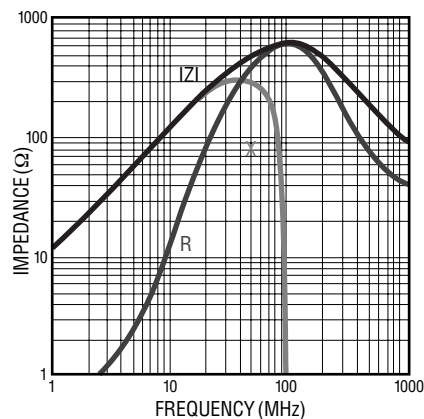
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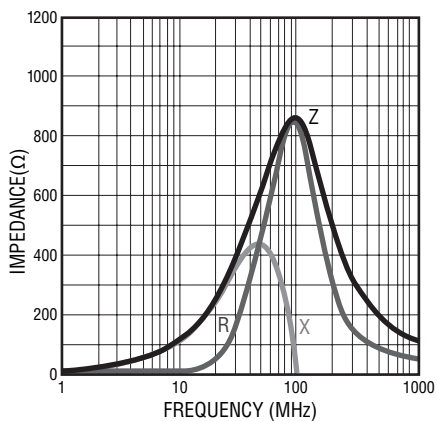
**MU 3261- 601Y**



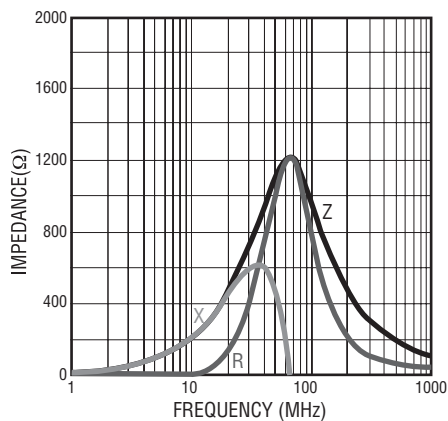
**MZ 3261- 601Y**



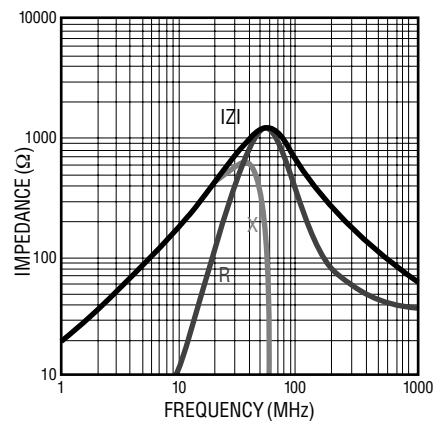
**MU 3261- 801Y**



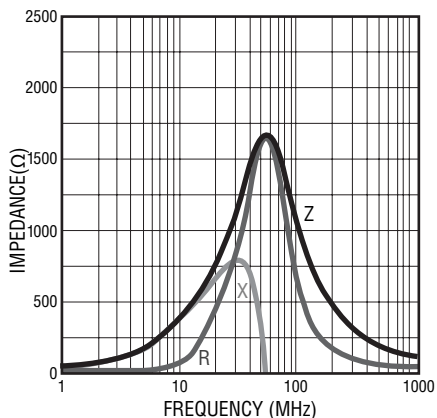
**MU 3261- 102Y**



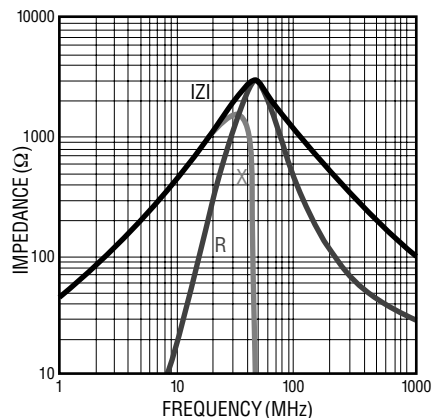
**MU 3261- 122Y**



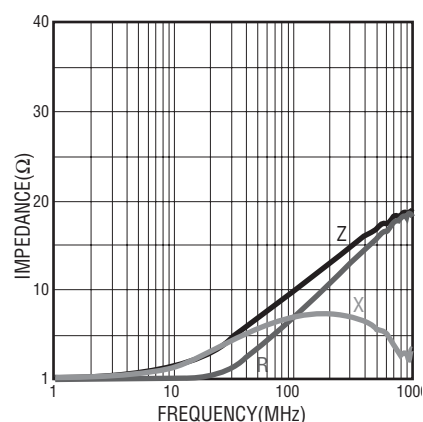
**MU 3261- 152Y**



**MU 3261- 202Y**



**MG 2029- 100Y**



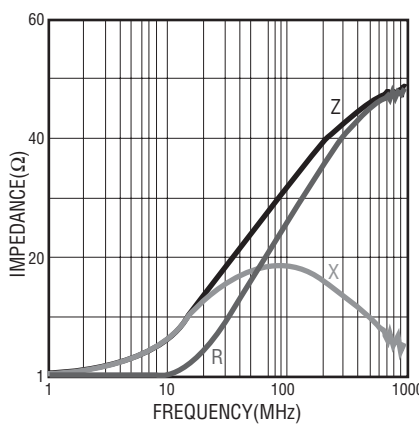
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

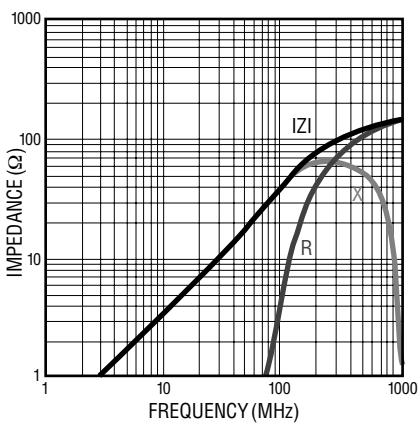
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## Electrical Specifications (continued)

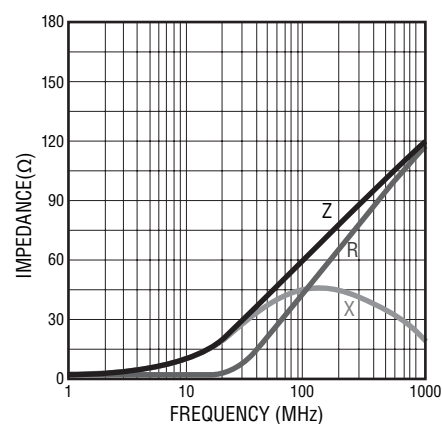
**MG 2029- 300Y**



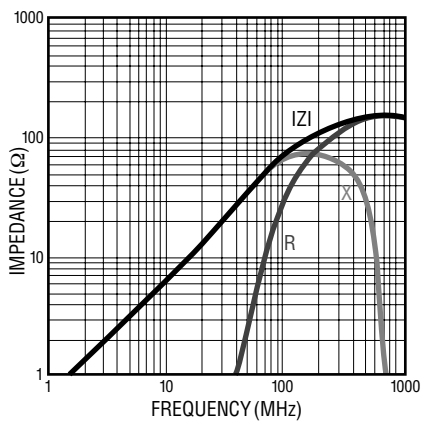
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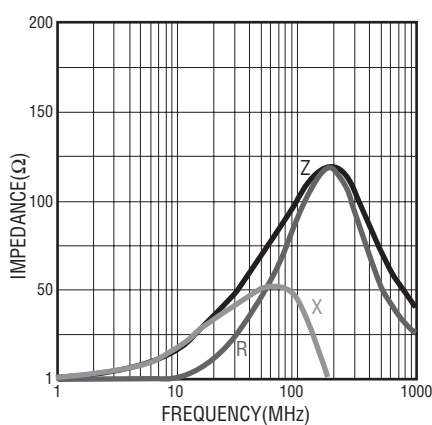
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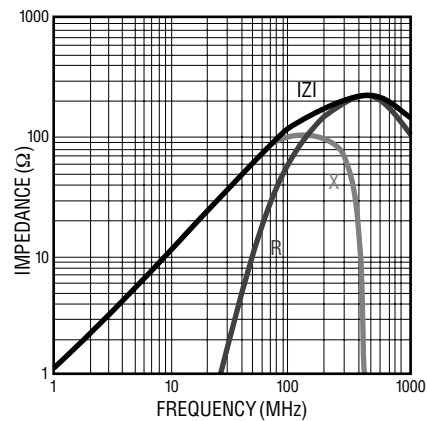
**MG 2029- 800Y**



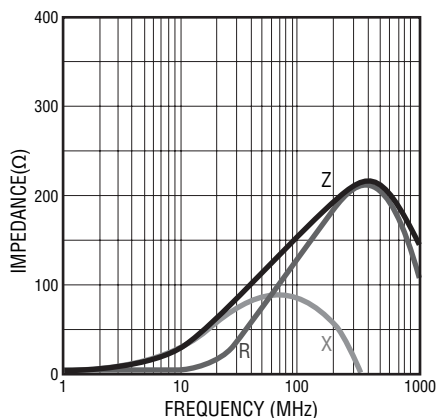
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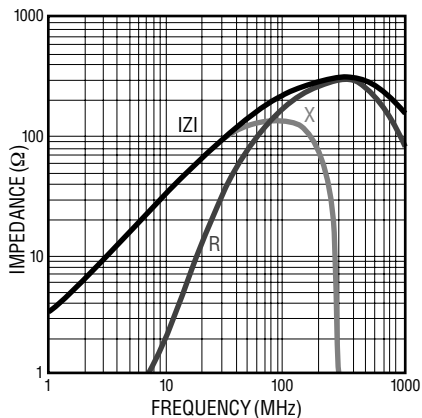
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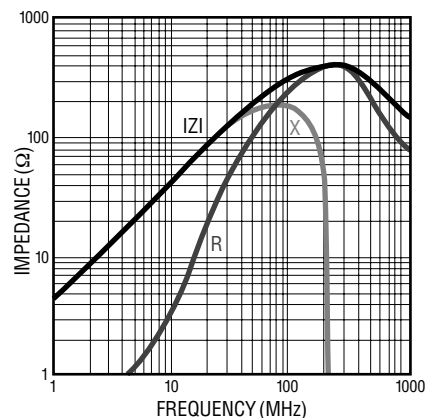
**MU 2029- 151Y**



**MU 2029- 221Y**



**MU 2029- 301Y**



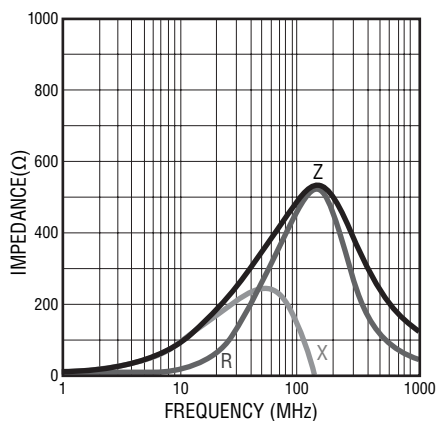
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

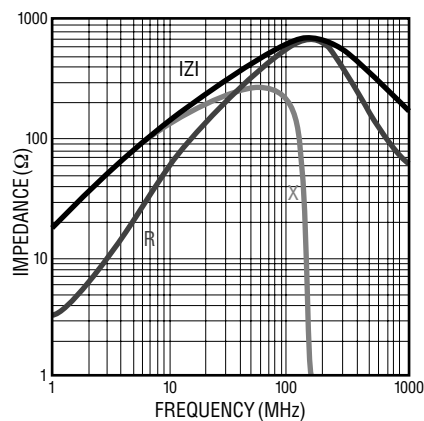
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## Electrical Specifications (continued)

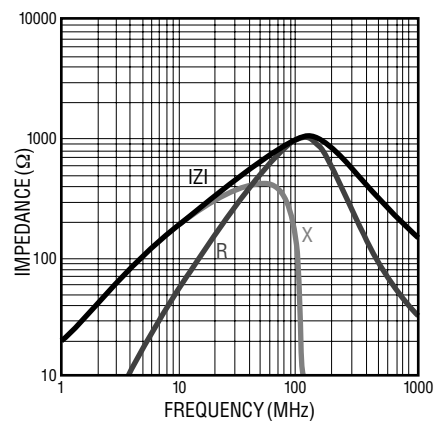
**MU 2029- 471Y**



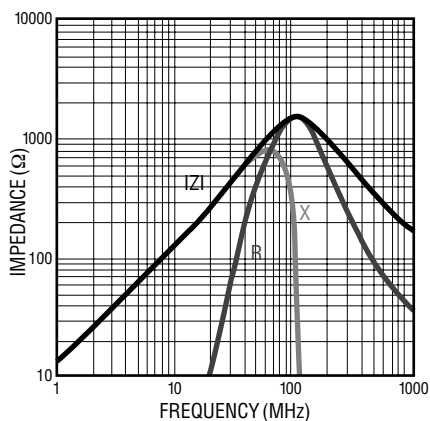
**MZ 2029- 601Y**



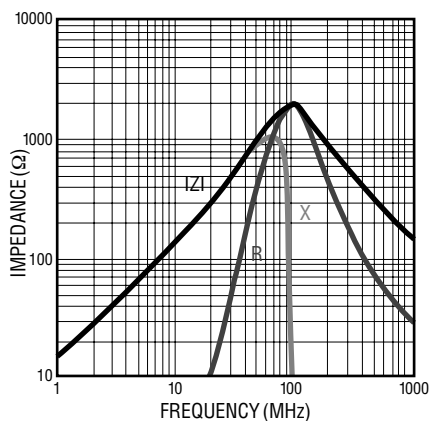
**MZ 2029- 102Y**



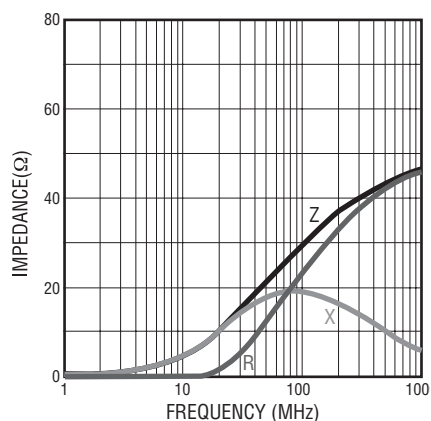
**MG 2029- 152Y**



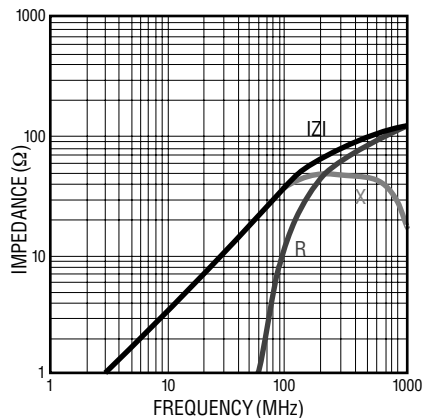
**MG 2029- 202Y**



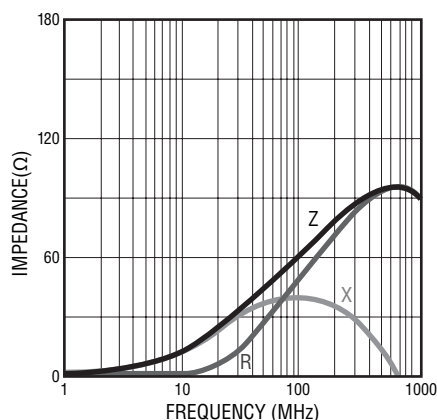
**MU 1608- 300Y**



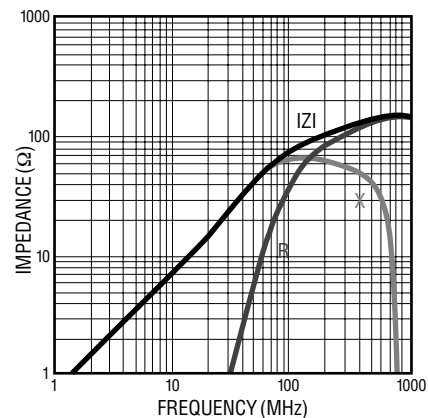
**MG 1608- 400Y**



**MU 1608- 600Y**



**MG 1608- 800Y**



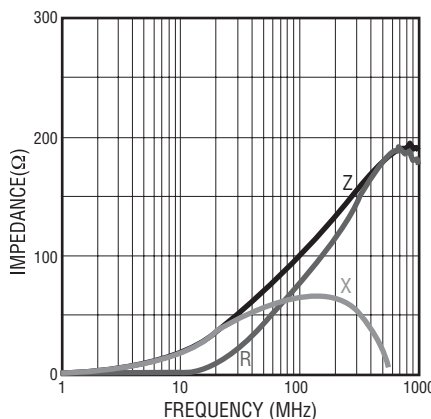
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

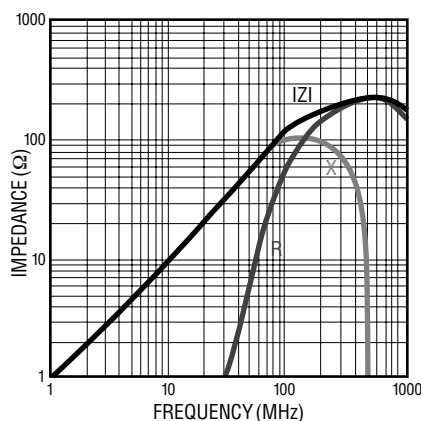
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## Electrical Specifications (continued)

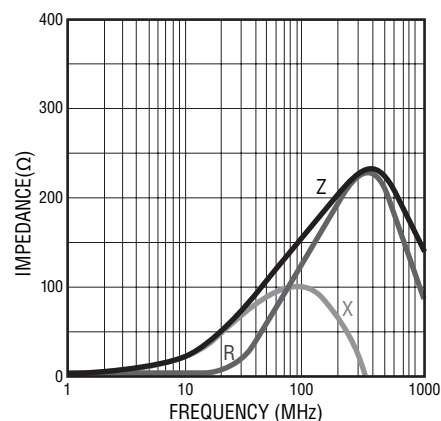
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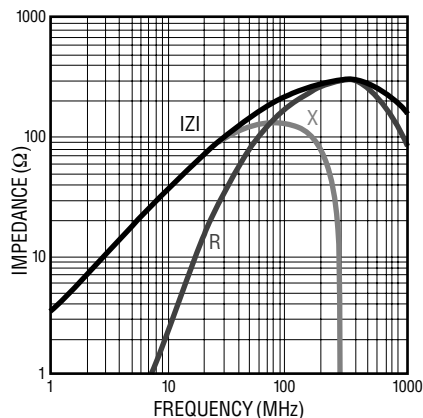
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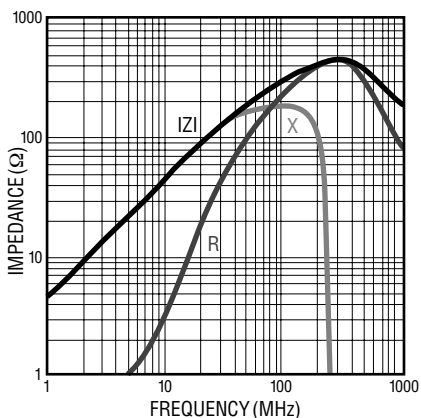
**MU 1608- 151Y**



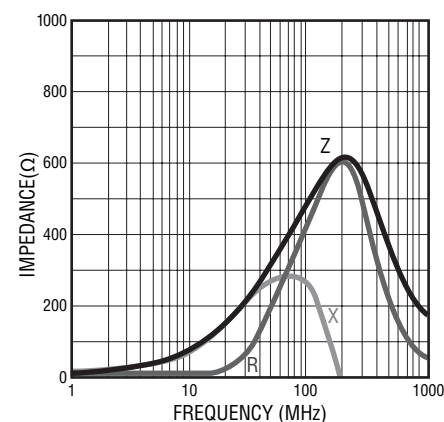
**MU 1608- 221Y**



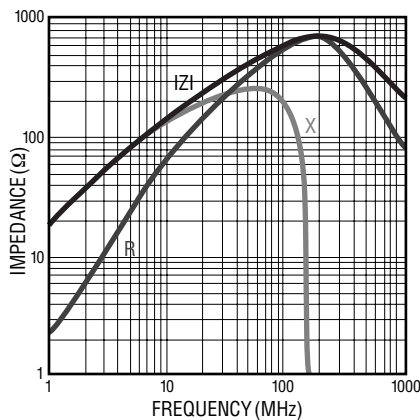
**MU 1608- 301Y**



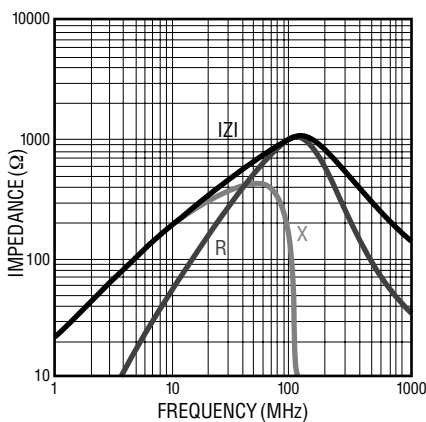
**MU 1608- 471Y**



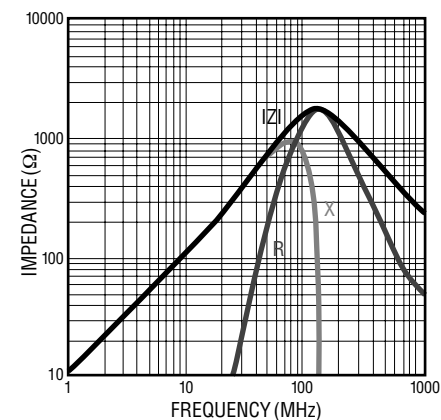
**MZ 1608- 601Y**



**MZ 1608- 102Y**



**MG 1608- 152Y**

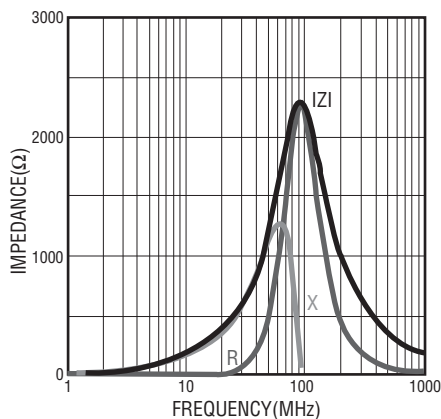


# MG, MU, MZ Series High Impedance Chip Ferrite Beads

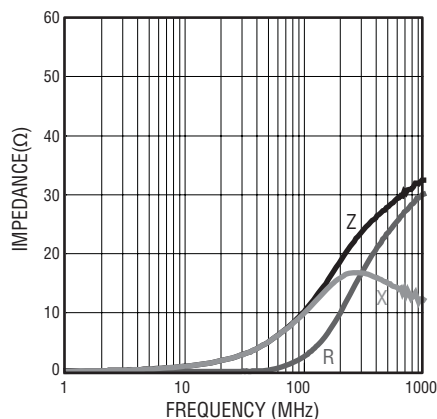
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## Electrical Specifications (continued)

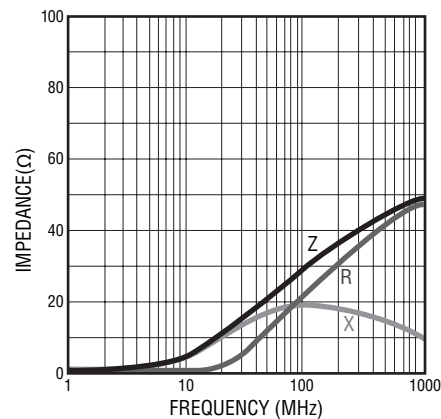
**MZ 1608- 222Y**



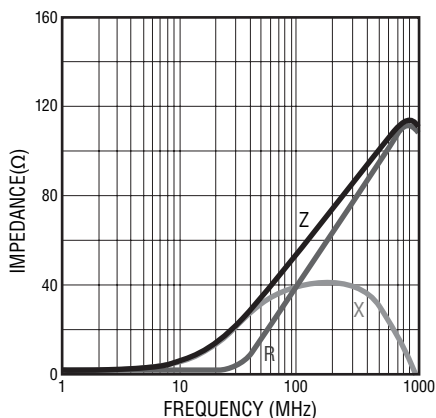
**MU 1005- 100Y**



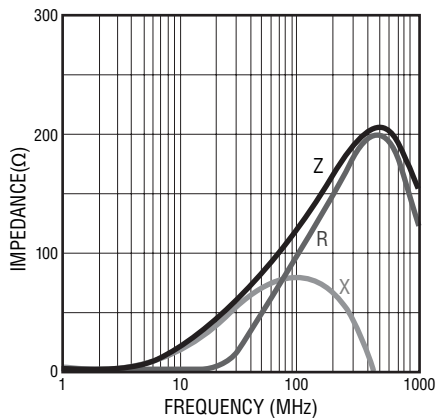
**MU 1005- 300Y**



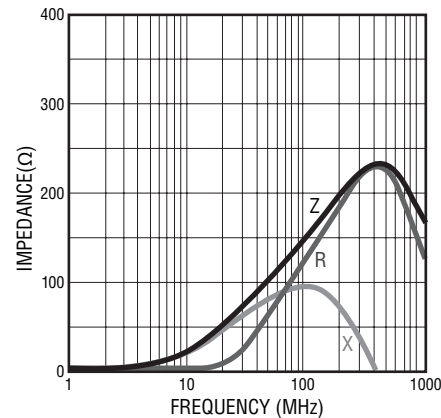
**MU 1005- 600Y**



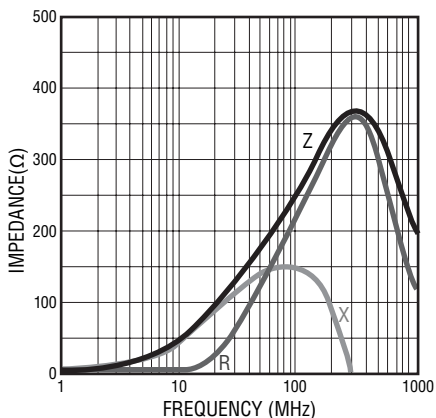
**MU 1005- 121Y**



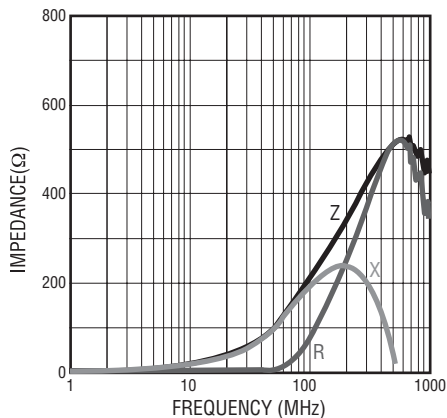
**MU 1005- 151Y**



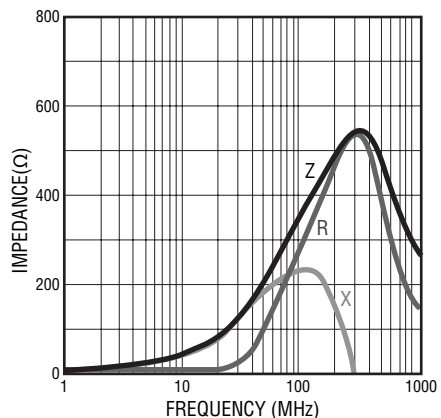
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**MU 1005- 241Y**



**MU 1005- 301Y**



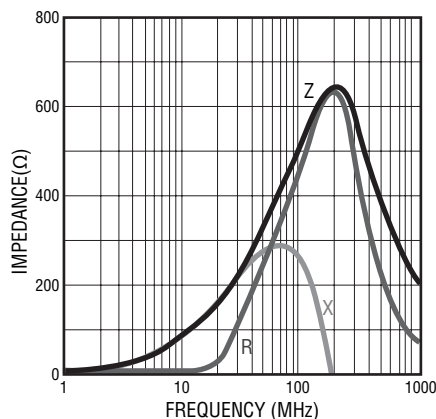
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# MG, MU, MZ Series High Impedance Chip Ferrite Beads

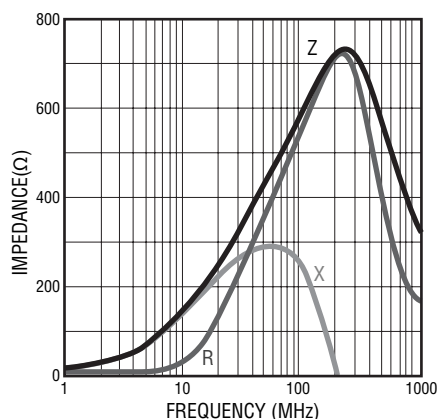
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## Electrical Specifications (continued)

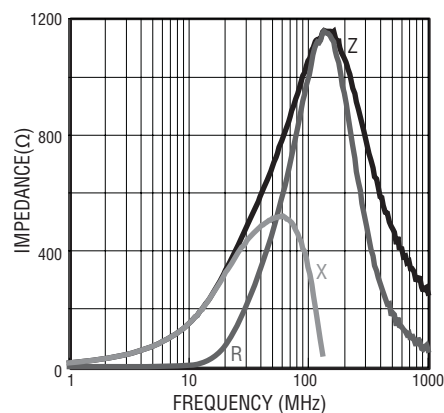
**MU 1005- 471Y**



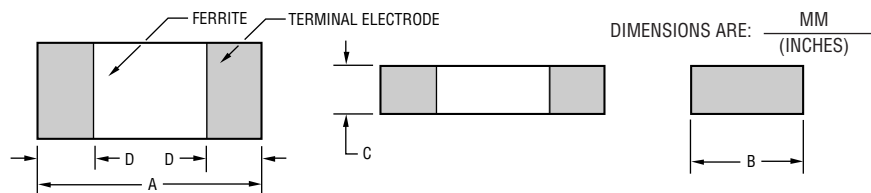
**MU 1005- 601Y**



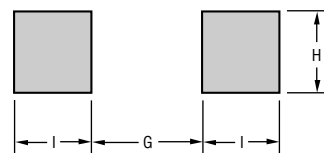
**MU 1005- 102Y**



## Product Dimensions



## Recommended Land Pattern

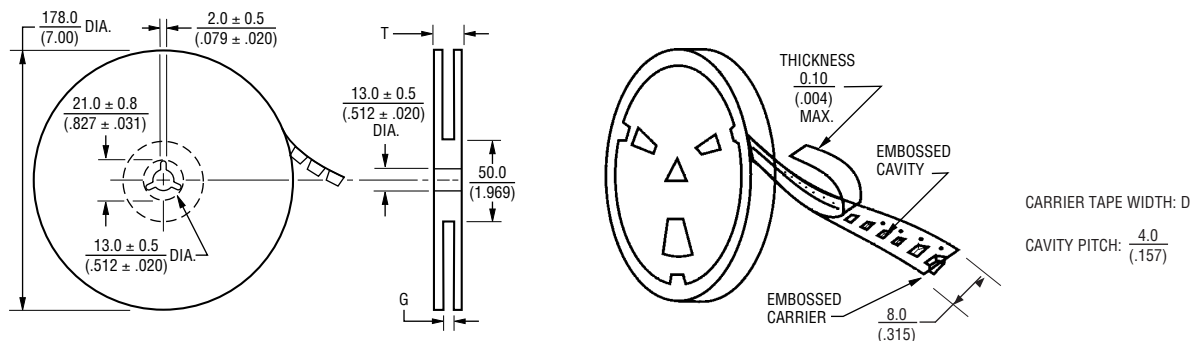


| Series | A                                     | B                                      | C                                      | D                                      | G                    | H                     | I                    |
|--------|---------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------|-----------------------|----------------------|
| 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   | $\frac{1.6 \pm 0.2}{(.063 \pm .008)}$ | $\frac{0.8 \pm 0.2}{(.031 \pm .008)}$  | $\frac{0.8 \pm 0.2}{(.031 \pm .008)}$  | $\frac{0.5 \pm 0.2}{(.020 \pm .008)}$  | $\frac{0.7}{(.028)}$ | $\frac{0.7}{(.028)}$  | $\frac{0.7}{(.028)}$ |
| 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

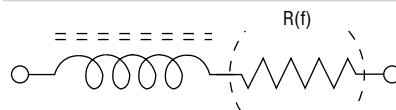
**BOURNS®**

## Reel Dimensions

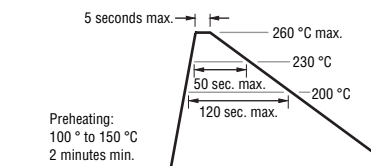


| Series | Pcs. per Reel | Gross Weight (g) | D                    | G                           | T                     |
|--------|---------------|------------------|----------------------|-----------------------------|-----------------------|
| 3261   | 3,000         | 150              | $\frac{8.0}{(.315)}$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

## Equivalent Circuit



## Recommended Soldering



## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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