

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

MG, MU, MZ Series High Impedance Chip Ferrite Beads

Electrical Specifications

		1	1	
Model Number	Impedance (Ω) at 100 MHz	RDC (Ω) Max.	IDC (mA) Max.	
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	
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	

Additional Information

Click these links for more information:











PRODUCT

TECHNICAL INVENTORY LIBRARY

S CONTACT

General Specifications

Materials

Core Material	herrite
Internal Conductor	Ag or Ag/Po
Terminal	Ag/Ni/Sr

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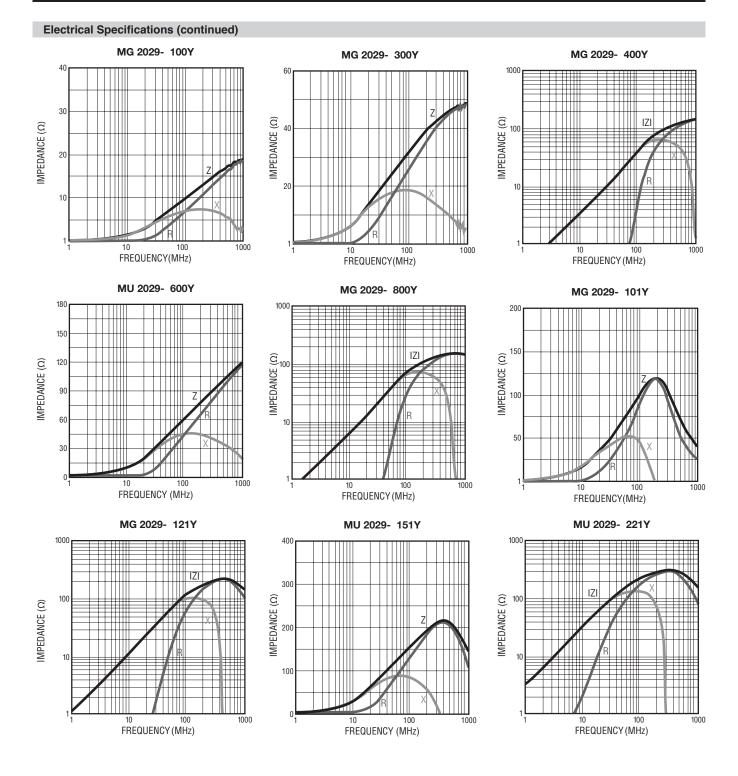
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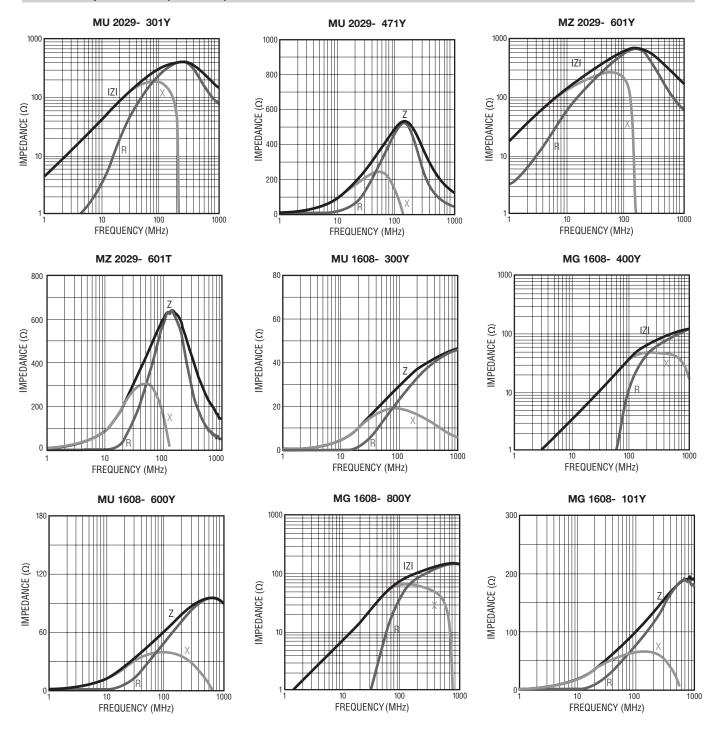
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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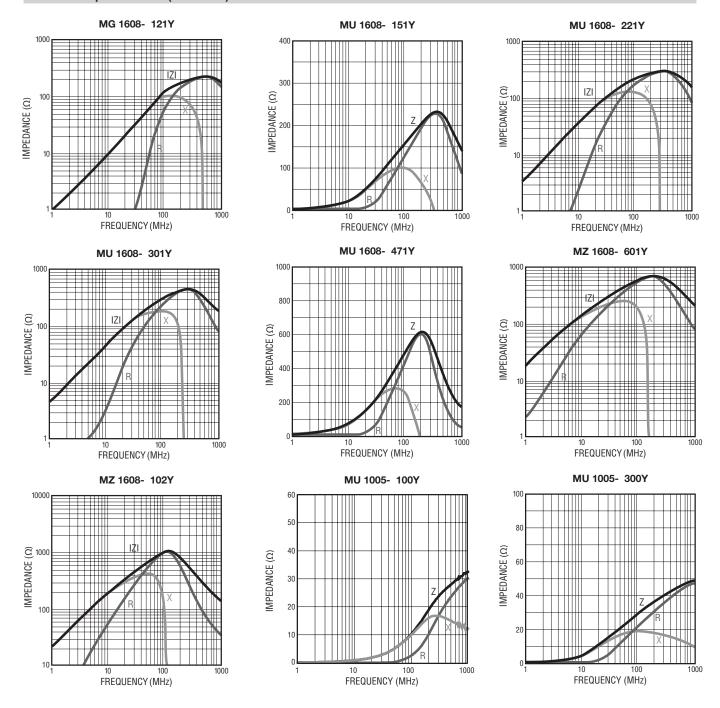


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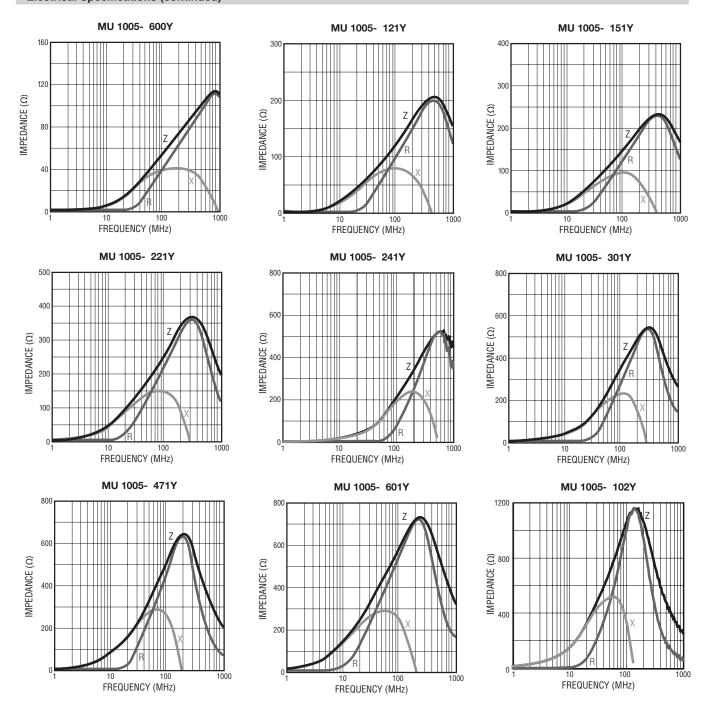
Electrical Specifications (continued)



Electrical Specifications (continued)

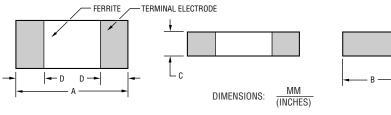


Electrical Specifications (continued)

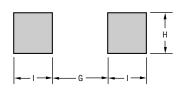


MG, MU, MZ Series High Impedance Chip Ferrite Beads

Product Dimensions

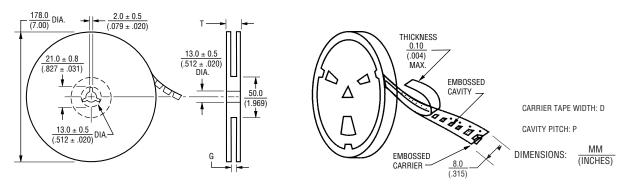


Recommended Land Pattern



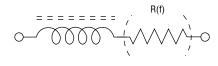
Series	Α	В	С	D	G	Н	I
2029	$\frac{2.0 \pm 0.2}{(.079 \pm .008)}$	$\frac{1.2 \pm 0.2}{(.047 \pm .008)}$	$\frac{0.9 \pm 0.2}{(.035 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	1.0 (.040)	1.0 (.040)	1.0 (.040)
1608	$\frac{1.6 \pm 0.15}{(.063 \pm .006)}$	$\frac{0.8 \pm 0.2}{(.031 \pm .008)}$	$\frac{0.8 \pm 0.2}{(.031 \pm .008)}$	$\frac{0.3 \pm 0.2}{(.012 \pm .008)}$	<u>0.7</u> (.028)	<u>0.7</u> (.028)	<u>0.7</u> (.028)
1005	$\frac{1.0 \pm 0.10}{(.039 \pm .004)}$	$\frac{0.5 \pm 0.1}{(.020 \pm .004)}$	$\frac{0.5 \pm 0.1}{(.020 \pm .004)}$	$\frac{0.25 \pm 0.1}{(.010 \pm .004)}$	<u>0.5</u> (.020)	<u>0.55</u> (.022)	<u>0.7</u> (.028)

Reel Dimensions

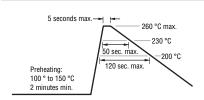


Series	Pcs. per Reel	Gross Weight (g)	D	Р	G	Т
2029	4,000	120		4.0 (.157)		
1608	4,000	90	<u>8.0</u> (.315)	4.0 (.157)	$\frac{10.0 + 0}{(.394 + 0)}$	<u>12.5</u> (.492)
1005	10,000	135		2.0 (.079)		

Equivalent Circuit



Recommended Soldering



REV. 11/21

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