

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

Model Number	Impedance (Ω) at 100 MHz	RDC (Ω) Max.	IDC (mA) Max. 400	
MG2029-100Y	10 ±25 %	0.20		
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:



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 maxtemperature rise of +40 °C Terminal Strength (Force "F" applied for 30 seconds) 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

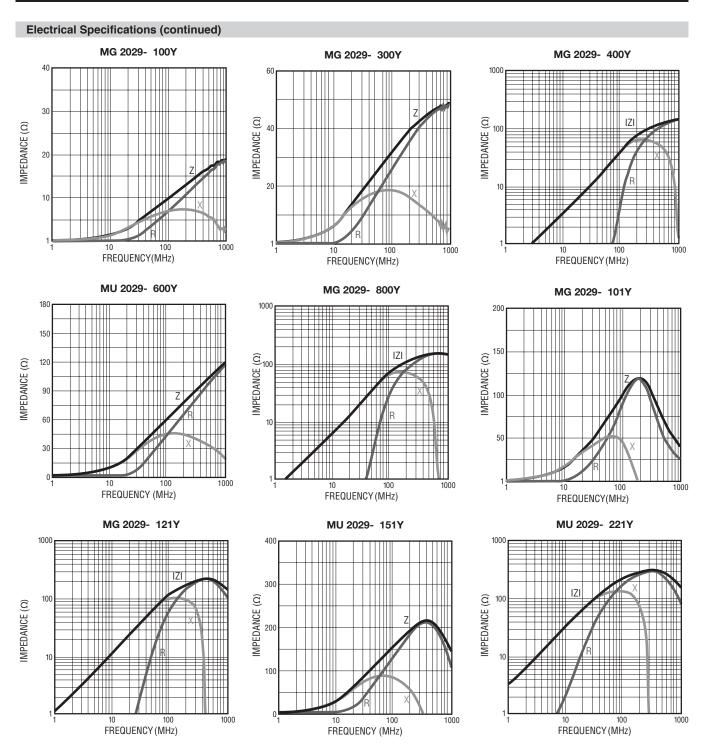
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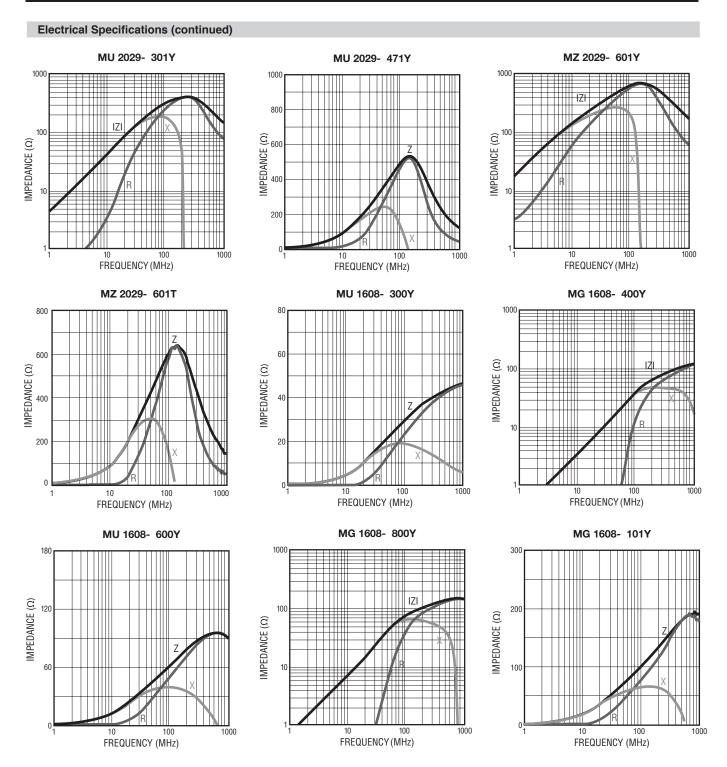


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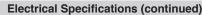


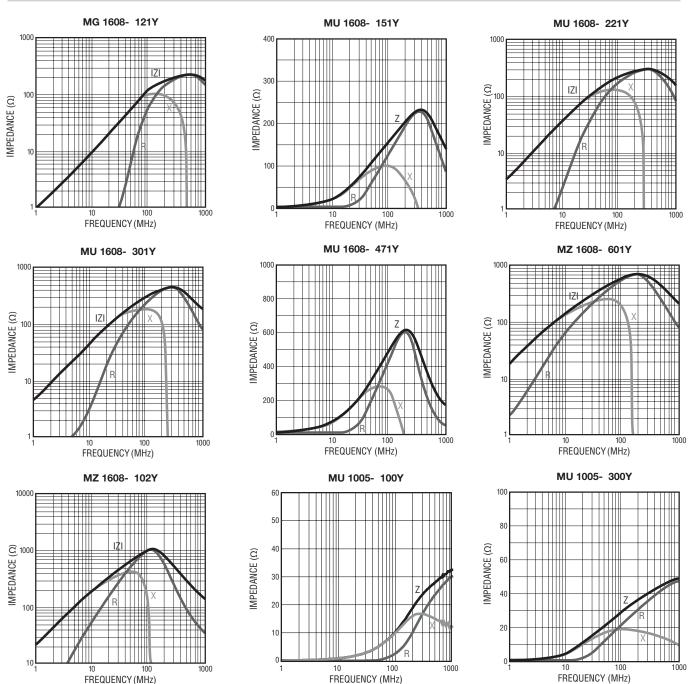
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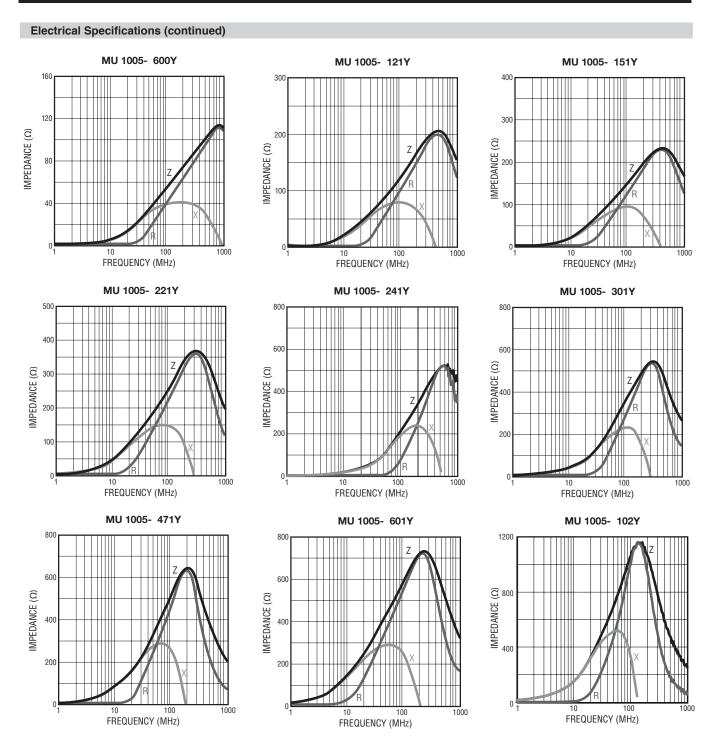
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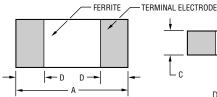
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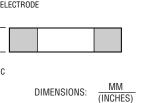
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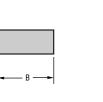
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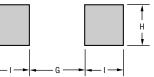
Recommended Land Pattern

Product Dimensions



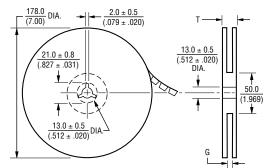


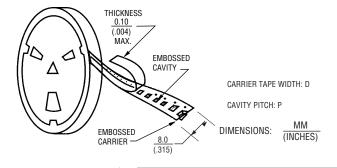




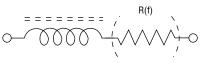
Series	Α	В	С	D	G	н	I
2029	$\frac{2.0 \pm 0.2}{(.079 \pm .008)}$	$\frac{1.2 \pm 0.2}{(.047 \pm .008)}$	$\frac{0.9 \pm 0.2}{(.035 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	<u>1.0</u> (.040)	<u>1.0</u> (.040)	<u>1.0</u> (.040)
1608	$\frac{1.6 \pm 0.15}{(.063 \pm .006)}$	$\frac{0.8 \pm 0.2}{(.031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

Reel Dimensions

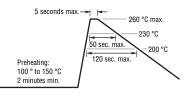




Equivalent (Circuit
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Recommended Soldering



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

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