

Features

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

MG, MU, MZ Series High Impedance Chip Ferrite Beads

Electrical Specifications

Model Number	Impedance (Ω) at 100 MHz	RDC (Ω) Max.	IDC (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	
MU3261-221Y	220 ±25 %	0.35	700	
MU3261-301Y	300 ±25 %	0.15	700	
MU3261-471Y	470 ±25 %	0.35	400	
MU3261-601Y	600 ±25 %	0.30	400	
MU3261-801Y	800 ±25 %	0.60	300	
MU3261-102Y	1000 ±25 %	0.60	300	
MG3261-151Y	150 ±25 %	0.15	900	
MG3261-301Y	300 ±25 %	0.15	700	
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 %	0.10	300	
MU1005-600Y	<u> </u>	0.20	300	
MU1005-121Y	120 ±25 %	0.25	100	
MU1005-151Y	150 ±25 %	0.30	100	
MU1005-221Y	220 ±25 %	0.30	100	
MU1005-2211 MU1005-241Y	220 ±25 %	0.40	100	
MU1005-301Y	300 ±25 %	0.50	100	
MU1005-471Y	470 ±25 %	0.65	100	
MU1005-601Y	470 ±25 % 600 ±25 %	0.65	80	
MU1005-102Y	1000 ±25 %	1.20	80	
WIG 1003-102 T	1000 ±20 %	1.20	00	

Additional Information

Applications Power supply lines

IC power lines

Signal lines

Click these links for more information:



General Specifications

Operating Temperature

Storage Temperature
55 °C to +125 °C
Rated CurrentBased on max
temperature rise of +20 °C

105 00

Materials

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



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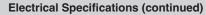
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

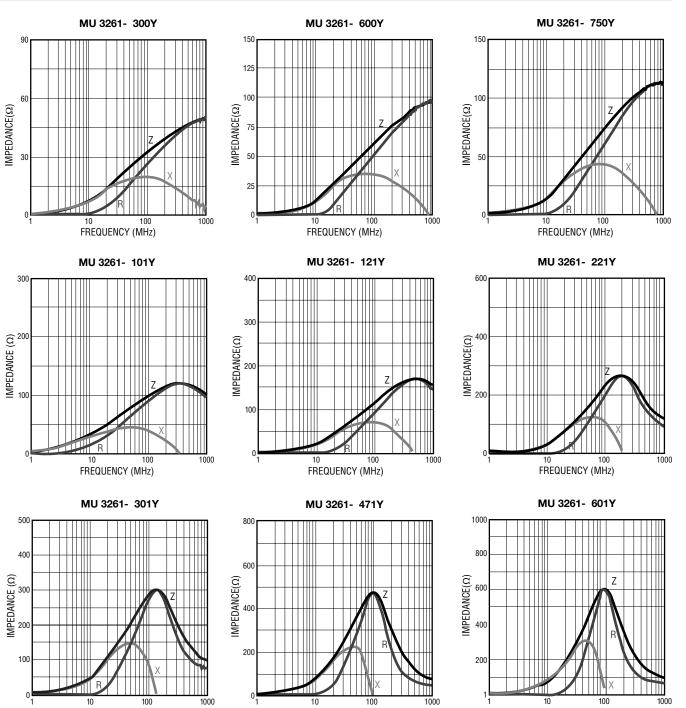
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FREQUENCY (MHz)





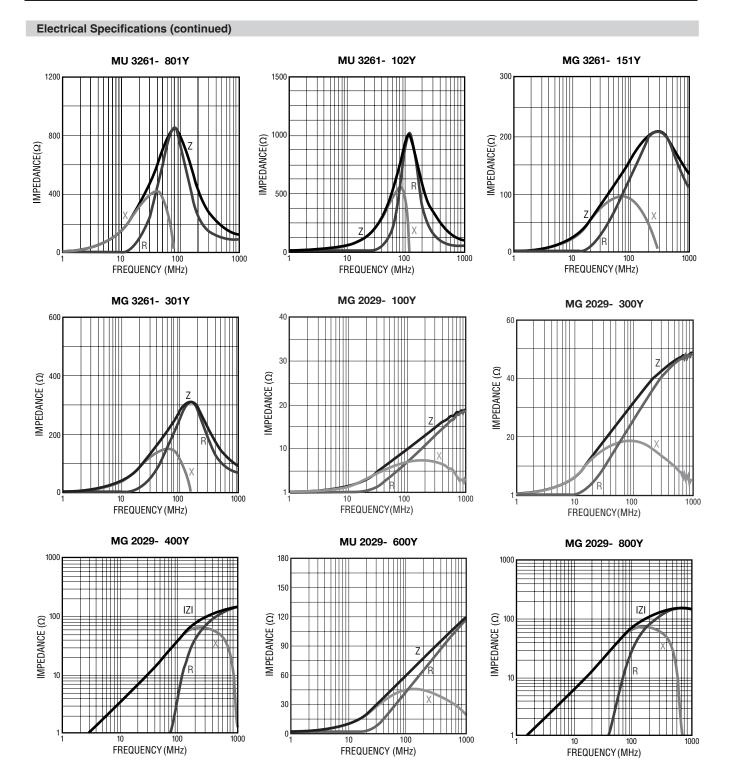
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FREQUENCY (MHz)

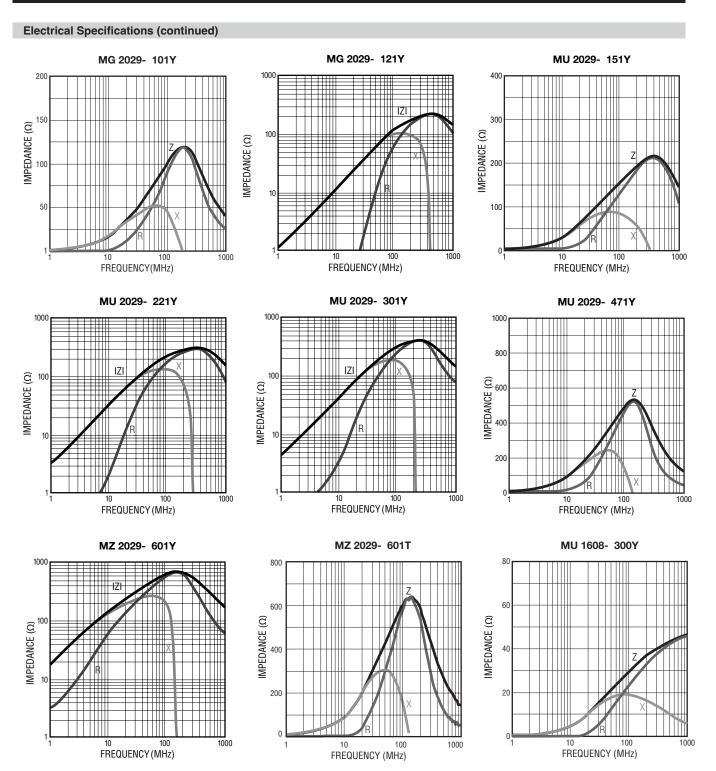
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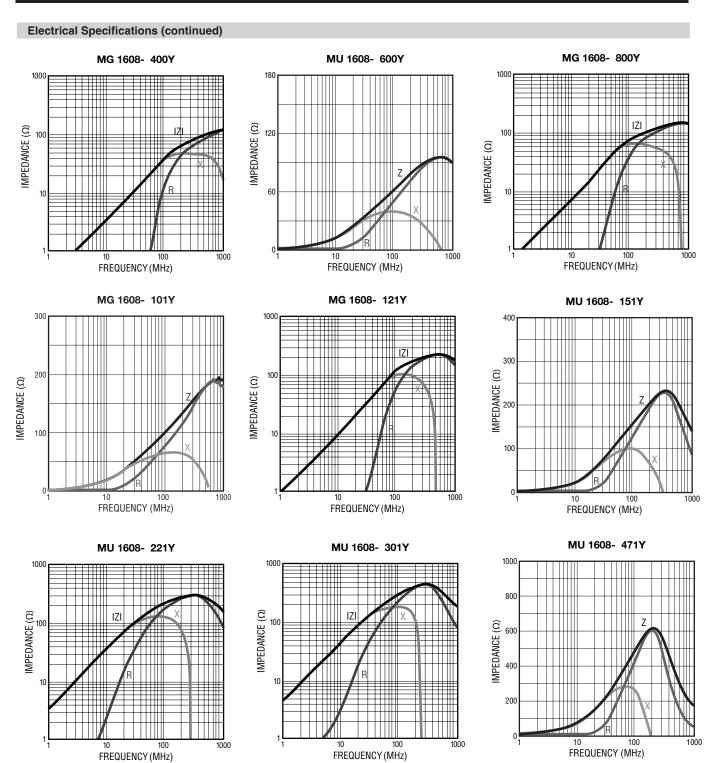
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160

120

80

40

0

500

400

000 IMPEDANCE (Ω)

100

0

10

100

100

FREQUENCY (MHz)

FREQUENCY (MHz)

MU 1005- 221Y

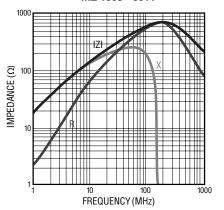
1000

1000

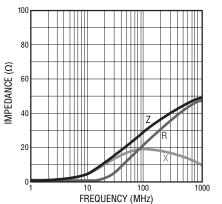
IMPEDANCE (Ω)

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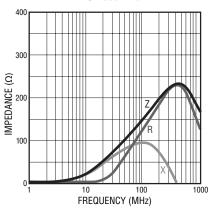
Electrical Specifications (continued) MZ 1608- 601Y

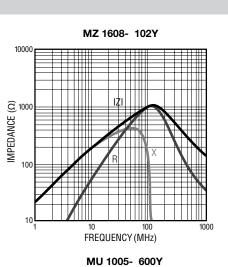


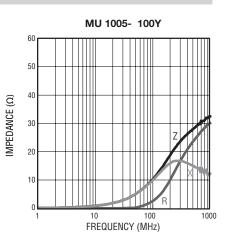
MU 1005- 300Y



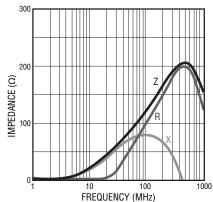
MU 1005- 151Y



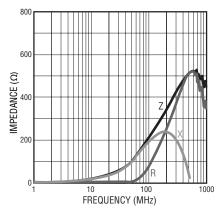




MU 1005- 121Y



MU 1005- 241Y



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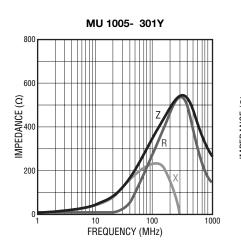
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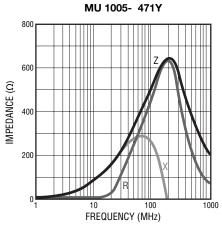
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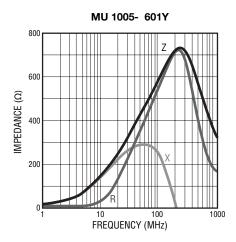
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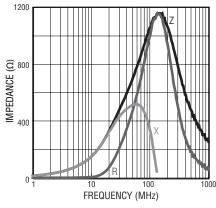
Electrical Specifications (continued)



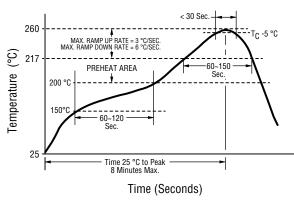


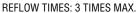


MU 1005- 102Y



Soldering Profile





Profile Feature	Pb Free Assembly
Preheat - Temperature Min. (T _{smin}) - Temperature Max. (T _{smax}) - Time(t _s) from T _{smin} to T _{smax}	150 °C 200 °C 60-120 seconds
Ramp-up Rate (T _L to T _p)	3 °C/second max.
Liquidous temperature (TL) Time (tL) maintained above TL	217 °C 60-150 seconds
Peak package body temperature (Tp)	260 °C
Time within 5 °C of Actual Peak Temperature (t_p)	< 30 seconds
Ramp-Down Rate (T _p to T _L)	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

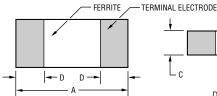
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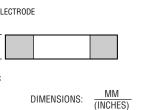
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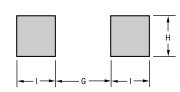
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Product Dimensions





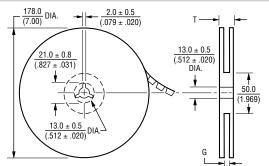
Recommended Land Pattern



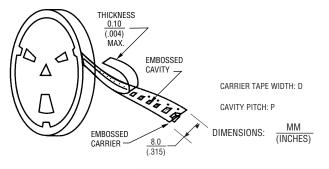
Series	Α	В	С	D	G	н	I
3261	$\frac{3.2 \pm 0.2}{(.126 \pm .008)}$	$\frac{1.6 \pm 0.2}{(.063 \pm .008)}$	$\frac{1.1 \pm 0.2}{(.043 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	<u>2.2</u> (.087)	<u>1.8</u> (.071)	<u>1.05</u> (.041)
2029	$\frac{2.0 \pm 0.2}{(.079 \pm .008)}$	$\frac{1.2 \pm 0.2}{(.047 \pm .008)}$	$\frac{0.9 \pm 0.2}{(.035 \pm .008)}$	$\frac{0.5 \pm 0.2}{(.020 \pm .008)}$	<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	$\frac{1.0 \pm 0.10}{(.039 \pm .004)}$	$\frac{0.5 \pm 0.1}{(.020 \pm .004)}$	$\frac{0.5 \pm 0.1}{(.020 \pm .004)}$	$\frac{0.25 \pm 0.1}{(.010 \pm .004)}$	<u>0.5</u> (.020)	<u>0.55</u> (.022)	<u> </u>

В

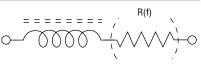
Reel Dimensions



Series	Pcs. per Reel	D	Р	G	Т
3261	3,000		<u>4.0</u> (.157)		
2029	4,000	8.0	<u>4.0</u> (.157)	10.0 + 0	12.5
1608	4,000	(.315)	<u>4.0</u> (.157)	(.394 + 0)	(.492)
1005	10,000		<u>2.0</u> (.079)		



Equivalent Circuit



REV. 06/22

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