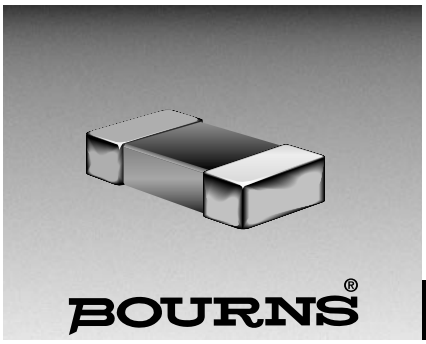


BOURNS®

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 (Ω) at 100MHz	RDC (Ω) Max.	IDC (mA) Max.
MG3261-151Y	150 ± 25%	0.30	300
MG3261-301Y	300 ± 25%	0.30	300
MU3261-301Y	300 ± 25%	0.30	300
MU3261-601Y	600 ± 25%	0.30	200
MZ3261-601Y	600 ± 25%	0.30	200
MZ3261-122Y	1200 ± 25% (at 50 MHz)	0.50	100
MU3261-122Y	1200 ± 25% (at 50 MHz)	0.50	100
MZ3261-202Y	2000 ± 25% (at 30 MHz)	0.60	100
MU3261-202Y	2000 ± 25% (at 30 MHz)	0.60	100
MG2029-400Y	40 ± 25%	0.20	300
MG2029-800Y	80 ± 25%	0.20	300
MG2029-121Y	120 ± 25%	0.25	300
MU2029-221Y	220 ± 25%	0.30	200
MU2029-301Y	300 ± 25%	0.30	200
MZ2029-601Y	600 ± 25%	0.40	100
MZ2029-102Y	1000 ± 25%	0.45	100
MG2029-152Y	1500 ± 25%	0.55	100
MG2029-202Y	2000 ± 25%	0.60	50
MG1608-400Y	40 ± 25%	0.30	300
MG1608-800Y	80 ± 25%	0.30	300
MG1608-121Y	120 ± 25%	0.30	200
MU1608-221Y	220 ± 25%	0.30	200
MU1608-301Y	300 ± 25%	0.35	150
MZ1608-601Y	600 ± 25%	0.45	100
MZ1608-102Y	1000 ± 25%	0.60	100
MG1608-152Y	1500 ± 25%	0.70	50
MG1608-202Y	2000 ± 25%	0.80	50

General Specifications

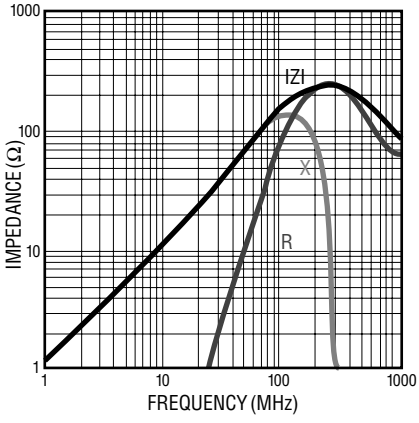
Operating Temperature ..-55°C to +125°C
Storage Temperature.....-55°C to +125°C
Storage Condition
.....+40°C max. at 70% RH
Reflow Soldering
.....230°C, 10 seconds max.
Resistance to Soldering Heat
.....260°C, 5 seconds
Rated Current .....Based on max. temperature rise of +40°C
Terminal Strength
(Force "F" applied for 30 seconds)
3261 Series .....1.0 F (Kg)
2029 Series .....0.6 F (Kg)
1608 Series .....0.5 F (Kg)

Materials

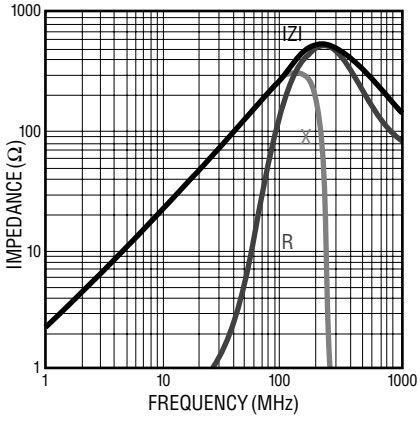
Core Material .....Ferrite
Internal Conductor .....Ag or Ag/Pd
Terminal Electrode.....Ag, Cu/Ni, Sn/Pb

Electrical Specifications (continued)

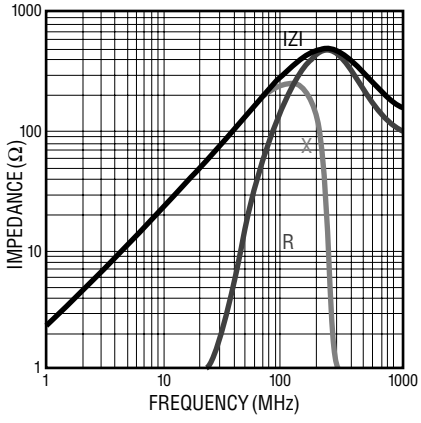
MG 3261- 151Y



MG 3261- 301Y

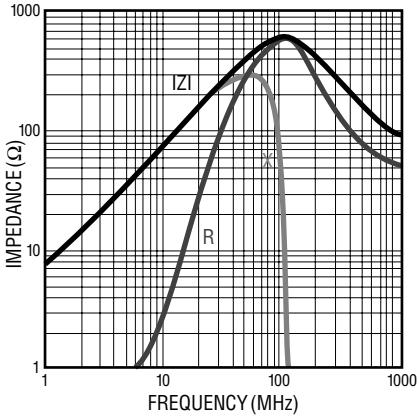


MU 3261- 301Y



Electrical Specifications (continued)

MU 3261- 601Y



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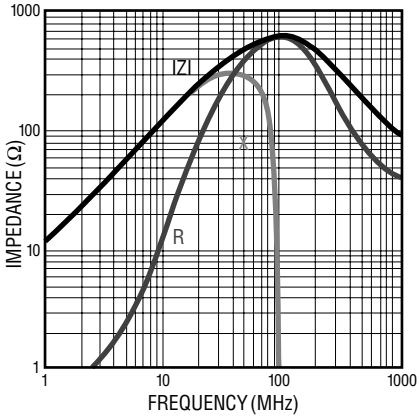
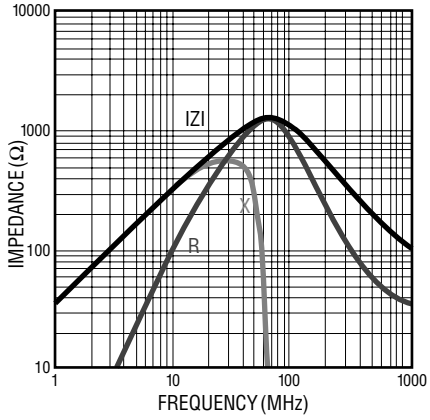


MZ 3261- 122Y



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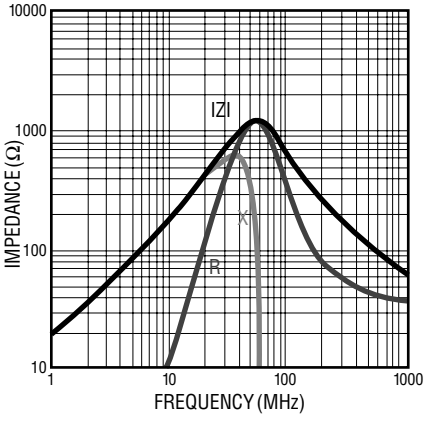

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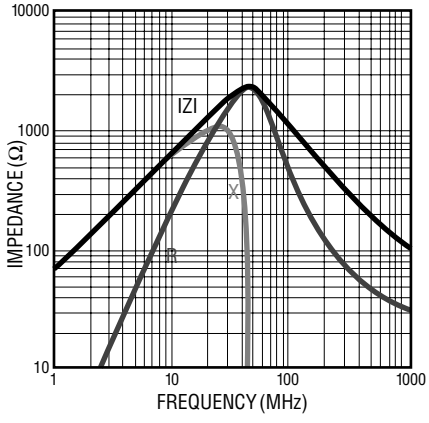

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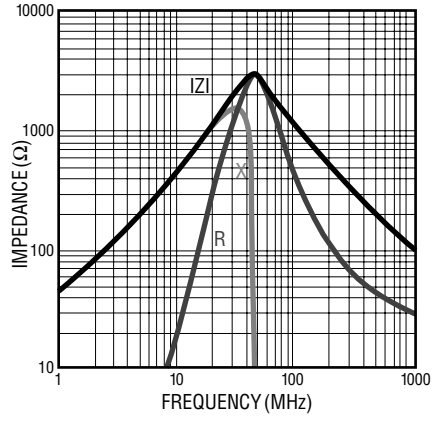
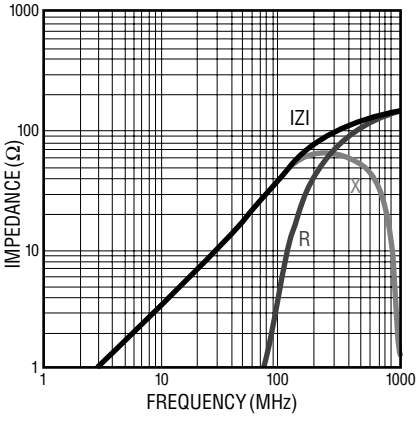
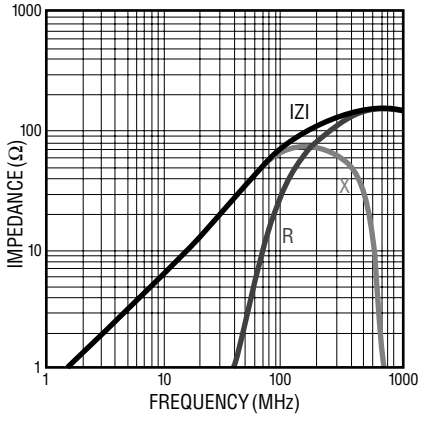


MG 2029- 400Y



MG 2029- 800Y



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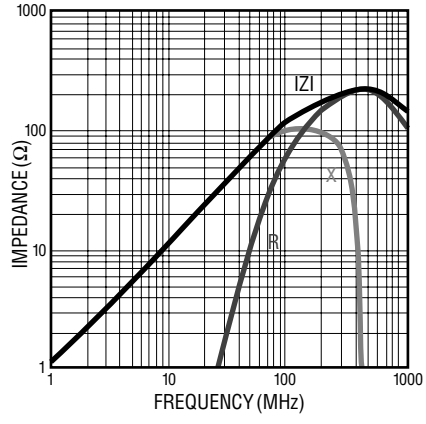
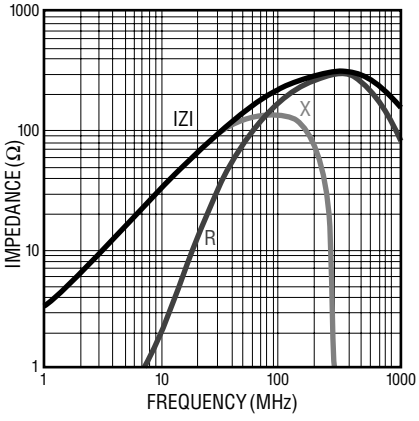
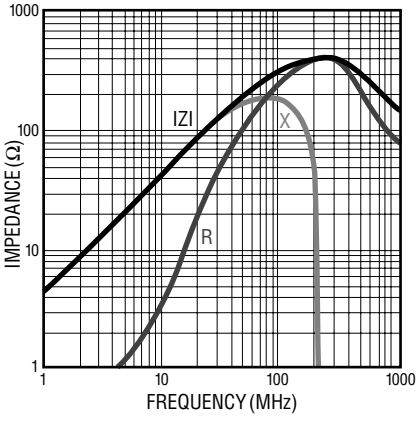


Electrical Specifications (continued)

MU 2029- 221Y



MU 2029- 301Y



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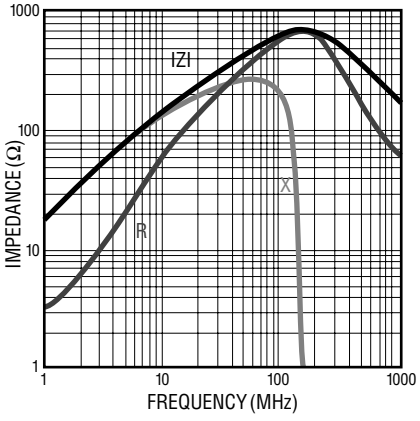

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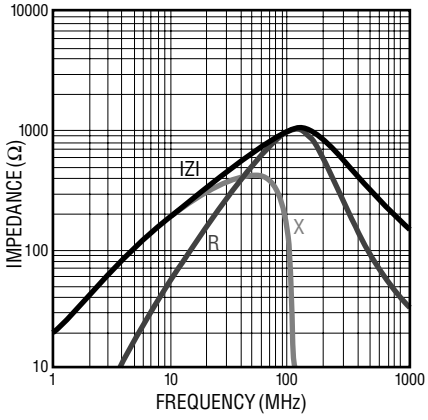
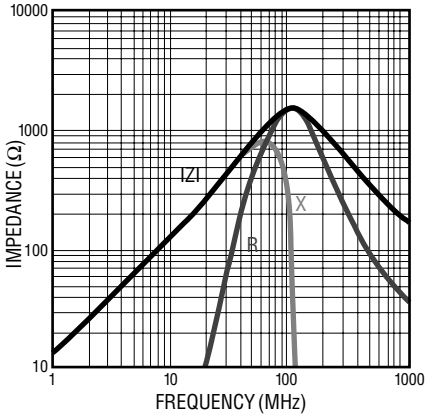
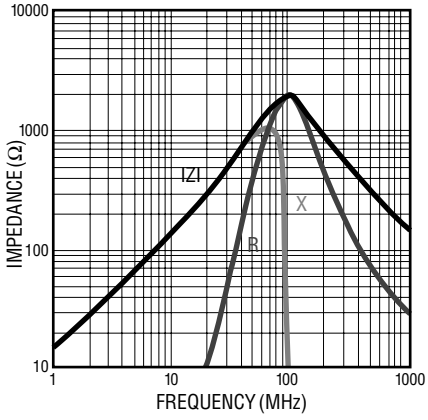


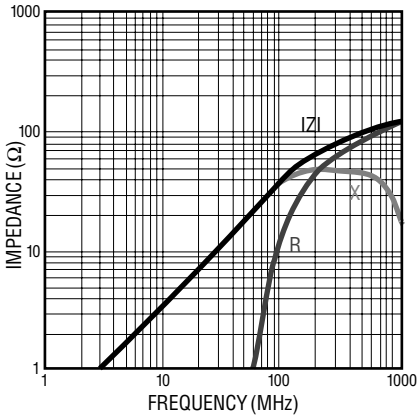
MG 2029- 152Y



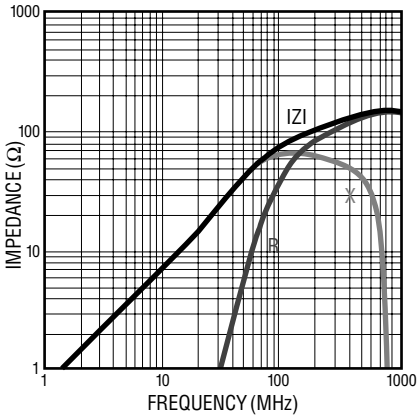
MG 2029- 202Y



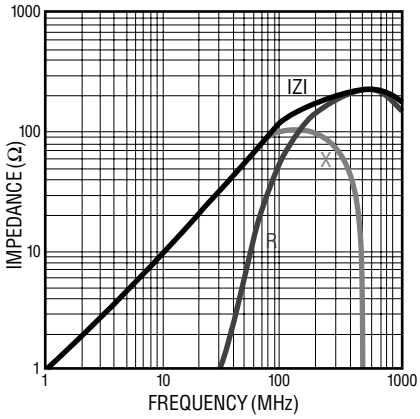
MG 1608- 400Y



MG 1608- 800Y



MG 1608- 121Y



Electrical Specifications (continued)

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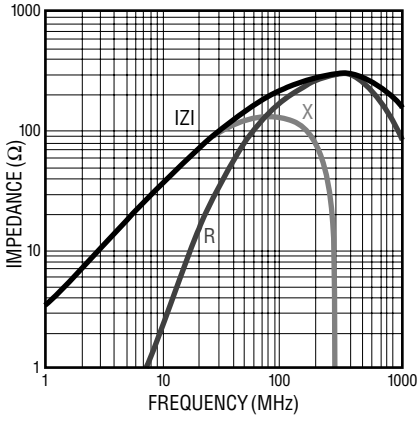

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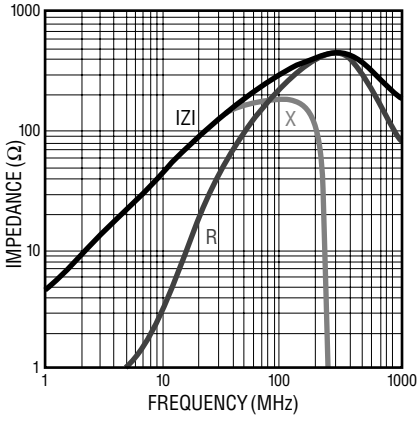

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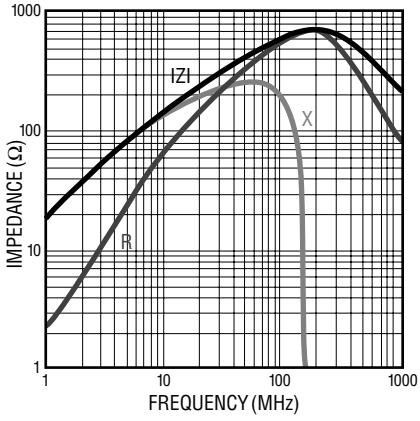

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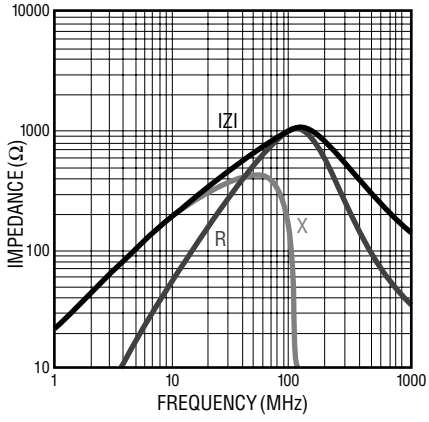

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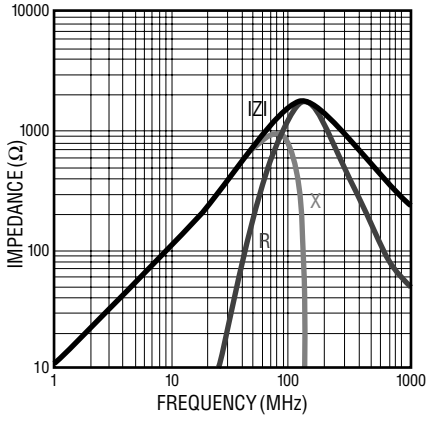

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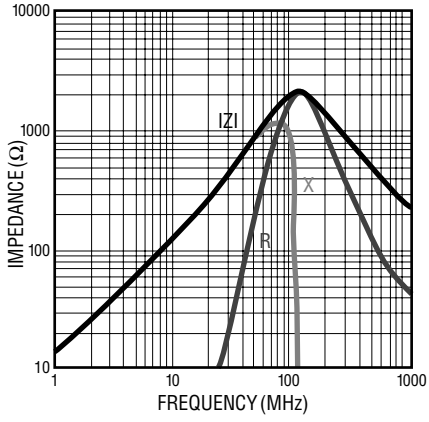
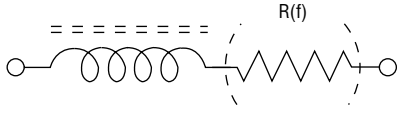
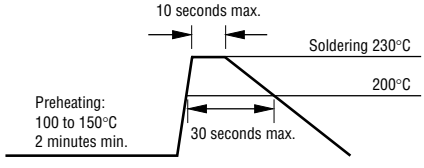


Equivalent Circuit



Recommended Soldering



MG, MU, MZ Series High Impedance Chip Ferrite Beads

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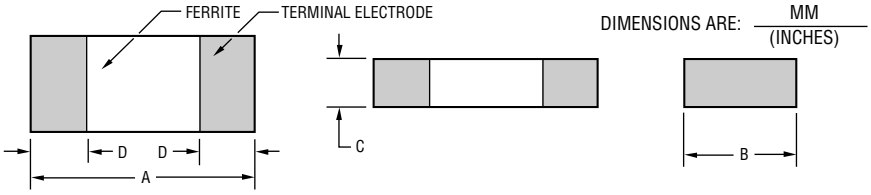
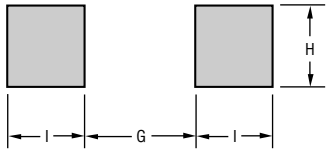
Product Dimensions

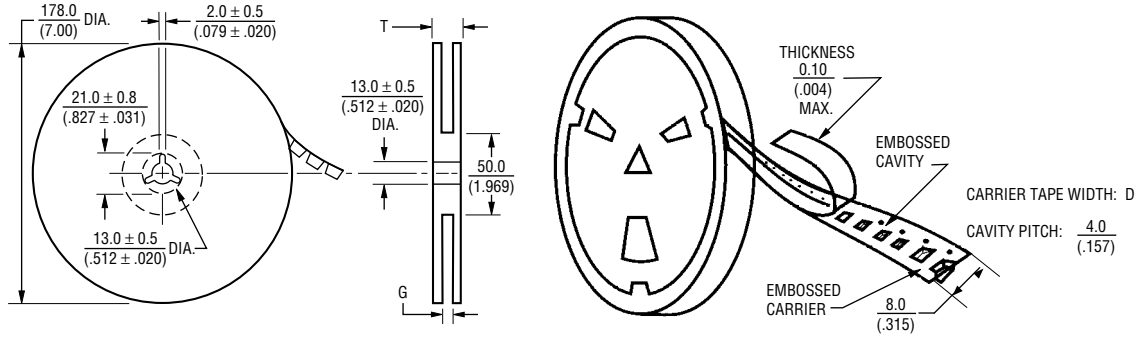


Recommended Land Pattern



Series	A	B	C	D	G	H	I
3261	3.2 ± 0.2 (.126 ± .008)	1.6 ± 0.2 (.063 ± .008)	1.1 ± 0.2 (.043 ± .008)	0.5 ± 0.2 (.020 ± .008)	2.0 (.079)	1.4 (.053)	1.1 (.043)
2029	2.0 ± 0.2 (.079 ± .008)	1.2 ± 0.2 (.047 ± .008)	0.9 ± 0.2 (.035 ± .008)	0.5 ± 0.2 (.020 ± .008)	1.0 (.040)	1.0 (.040)	1.0 (.040)
1608	1.6 ± 0.2 (.063 ± .008)	0.8 ± 0.2 (.031 ± .008)	0.8 ± 0.2 (.031 ± .008)	0.5 ± 0.2 (.020 ± .008)	0.7 (.028)	0.7 (.128)	0.7 (.128)

Reel Dimensions



Series	Pcs. per Reel	Gross Weight (g)	D	G	T
3261	3,000	150	8.0 (.315)	10.0 + 0 (.394 + 0)	12.5 (.492)
2029	4,000	120	8.0 (.315)	10.0 + 0 (.394 + 0)	12.5 (.492)
1608	4,000	90	8.0 (.315)	10.0 + 0 (.394 + 0)	12.5 (.492)