THE DATASHEET OF

MH1608-601Y

Features

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

Applications

- Power supply lines
- IC power lines
- Signal lines

BOURNS®

MH Series High Current Chip Ferrite Beads

Electrical Specifications

Model Number	Impedance (Ω) at 100 MHz	RDC (mΩ) Max.	IDC (A) Max.
MH3261-601Y	600 ±25 %	100	2.0
MH2029-070Y	7 ±25 %	30	3.0
MH2029-100Y	10 ±25 %	10	6.0
MH2029-300Y	30 ±25 %	25	3.0
MH2029-400Y	40 ±25 %	20	5.0
MH2029-600Y	60 ±25 %	20	5.0
MH2029-800Y	80 ±25 %	40	3.0
MH2029-101Y	100 ±25 %	100	2.0
MH2029-121Y	120 ±25 %	100	2.0
MH2029-151Y	150 ±25 %	100	2.0
MH2029-221Y	220 ±25 %	100	2.0
MH2029-301Y	300 ±25 %	200	1.0
MH2029-401Y	400 ±25 %	100	2.0
MH2029-471Y	470 ±25 %	200	1.0
MH2029-601Y	600 ±25 %	200	1.0
MH1608-100Y	10 ±25 %	10	6.0
MH1608-300Y	30 ±25 %	40	3.0
MH1608-600Y	60 ±25 %	40	3.0
MH1608-800Y	80 ±25 %	40	3.0
MH1608-101Y	100 ±25 %	40	3.0
MH1608-121Y	120 ±25 %	100	2.0
MH1608-151Y	150 ±25 %	100	2.0
MH1608-181Y	180 ±25 %	100	2.0
MH1608-221Y	220 ±25 %	100	2.0
MH1608-301Y	300 ±25 %	200	1.0
MH1608-471Y	470 ±25 %	200	1.0
MH1608-601Y	600 ±25 %	200	1.0

General Specifications

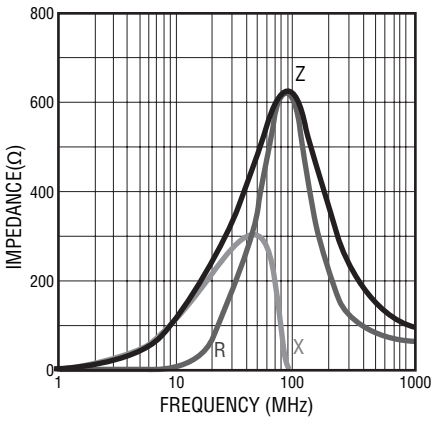
Operating Temperature
.....-55 °C to +125 °C
Storage Temperature
.....-55 °C to +125 °C
Storage Condition
.....+40 °C max. at 70 % RH
Reflow Soldering .. 230 °C, 50 sec. max.
Resistance to Soldering Heat
..... +260 °C, 5 seconds
Rated Current.....Based on max
.....temperature rise of +40 °C
Terminal 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

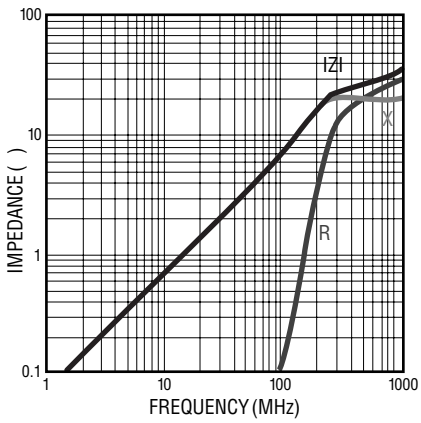
Core Material.....Ferrite
Internal Conductor.....Ag or Ag/Pd
Terminal.....Ag/Ni/Sn

Electrical Specifications (continued)

MH 3261- 601Y



MH 2029- 070Y



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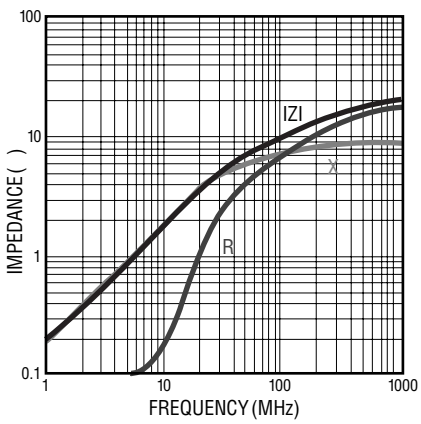


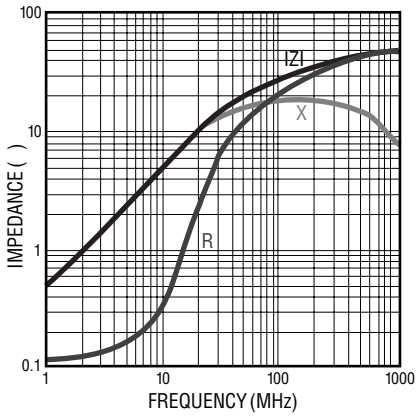
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

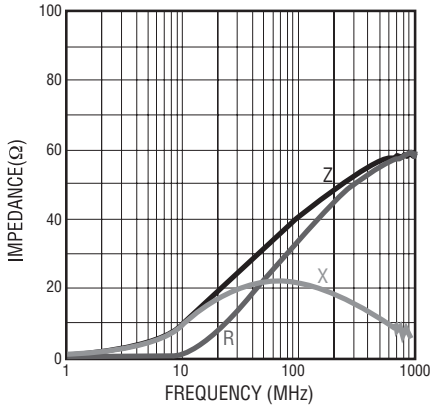
**Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Electrical Specifications (continued)

MH 2029- 300Y



MH 2029 -400Y



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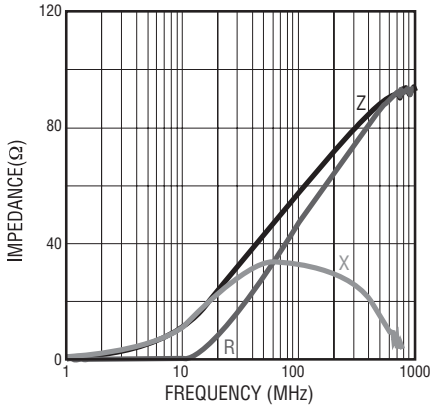

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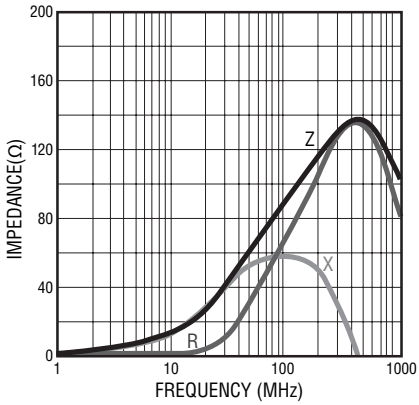

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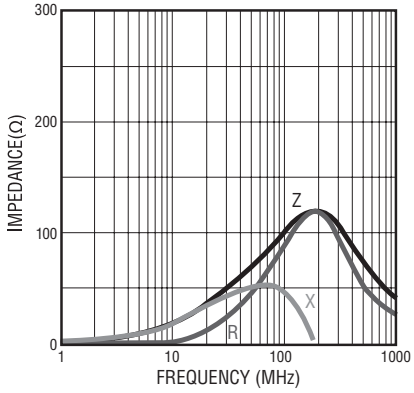

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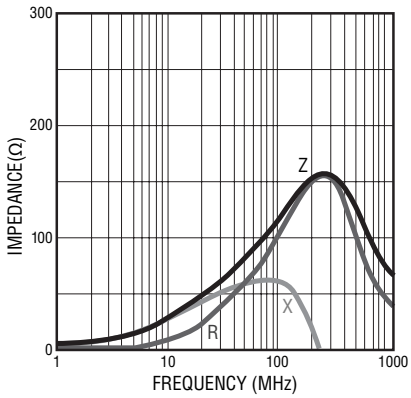
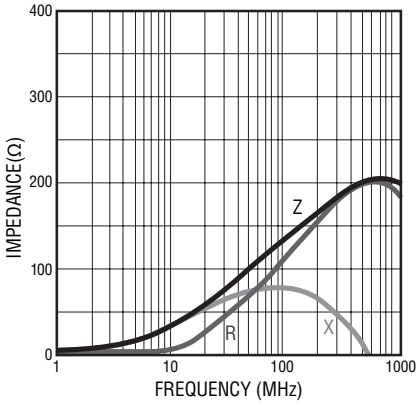


MH 2029- 151Y



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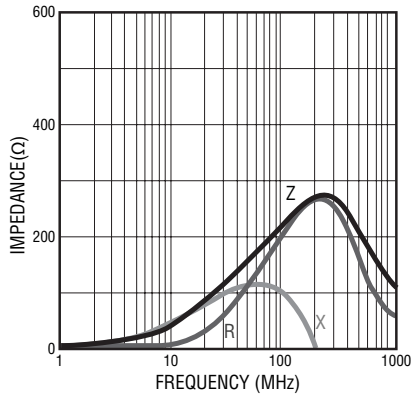

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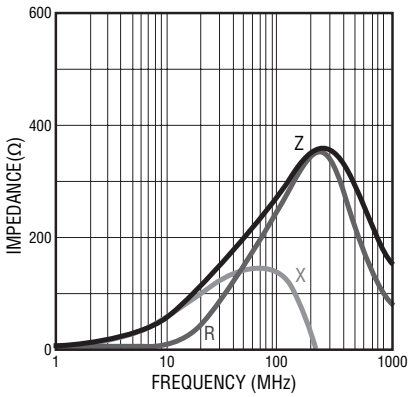

Electrical Specifications (continued)

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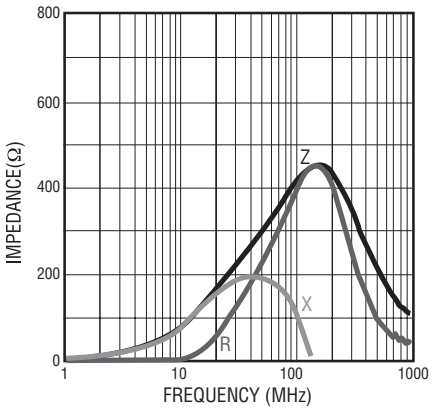
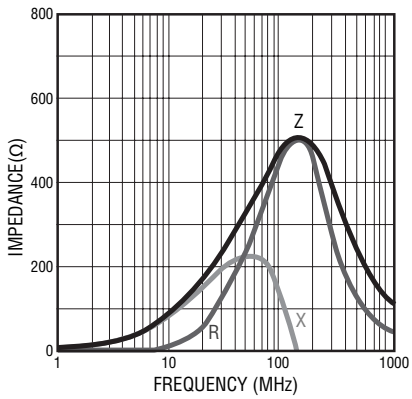


MH 2029- 471Y



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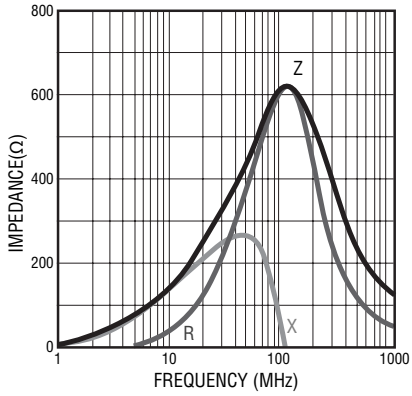
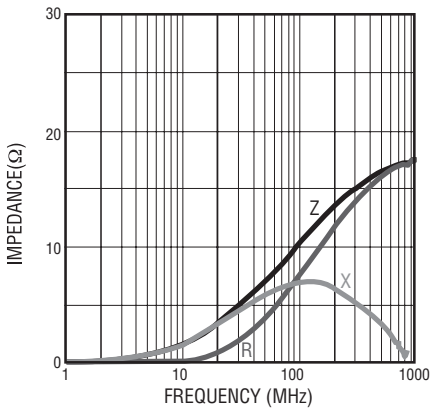
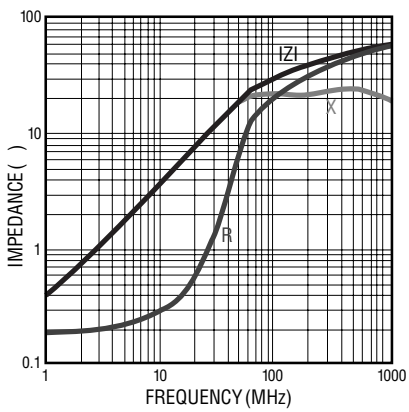


MH 1608 -100Y



MH 1608- 300Y



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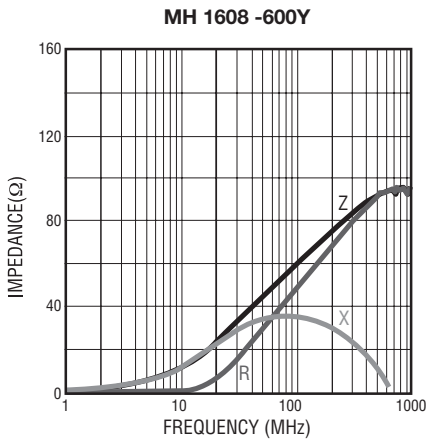

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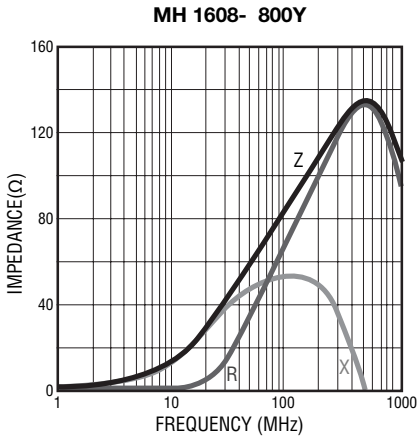

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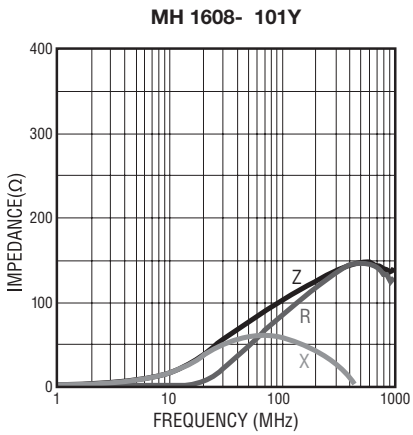

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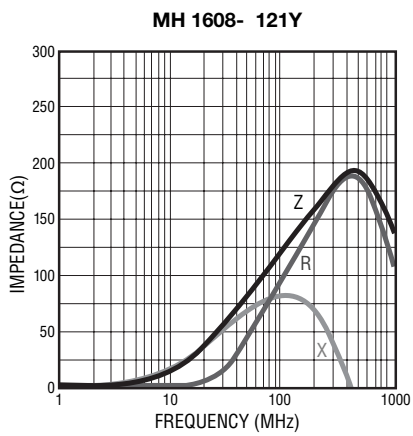
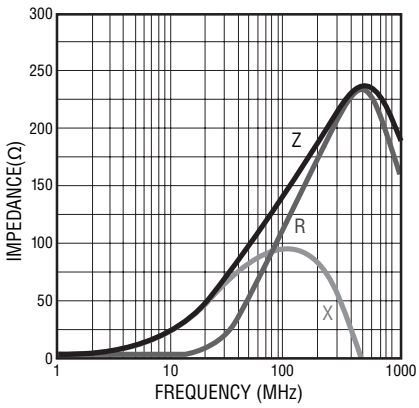
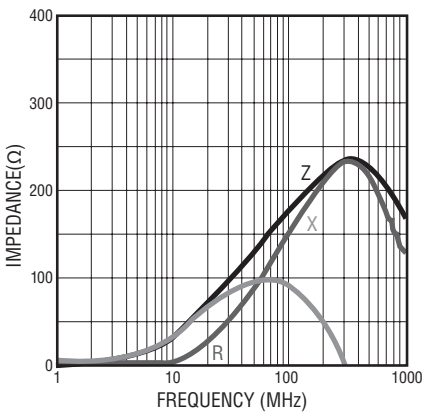


Electrical Specifications (continued)

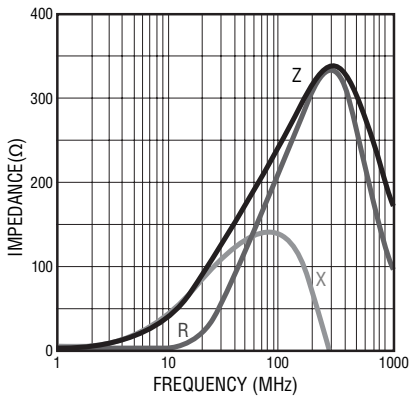
MH 1608- 151Y



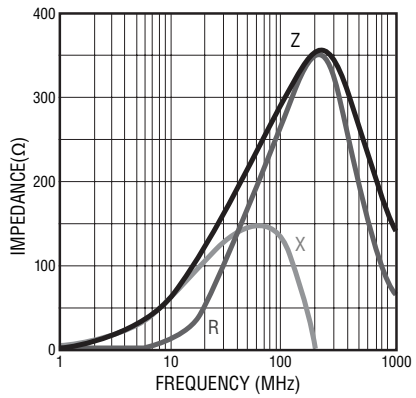
MH 1608- 181Y



MH 1608- 221Y



MH 1608- 301Y



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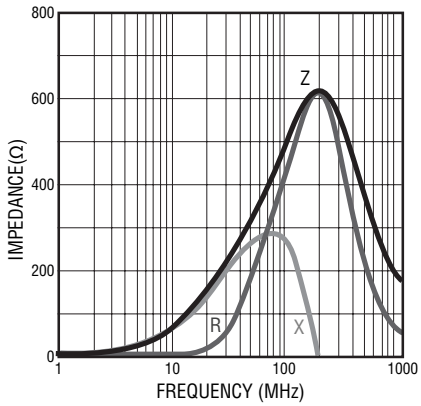

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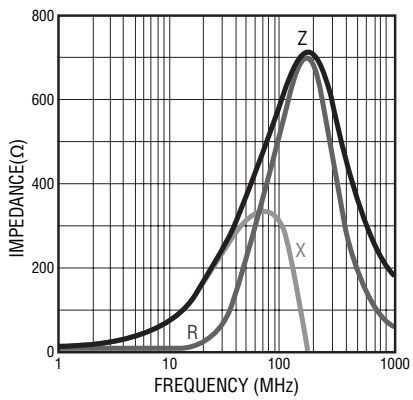
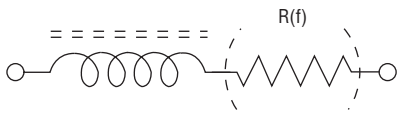
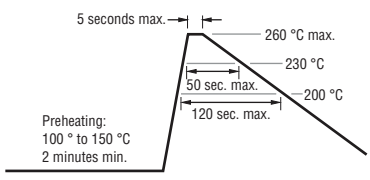


Equivalent Circuit



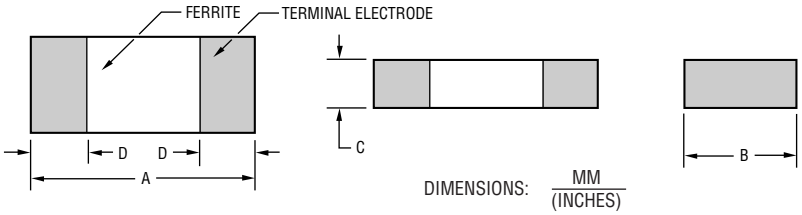
Recommended Soldering



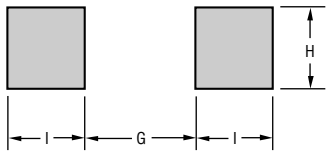
MH Series High Current Chip Ferrite Beads

BOURNS®

Product Dimensions

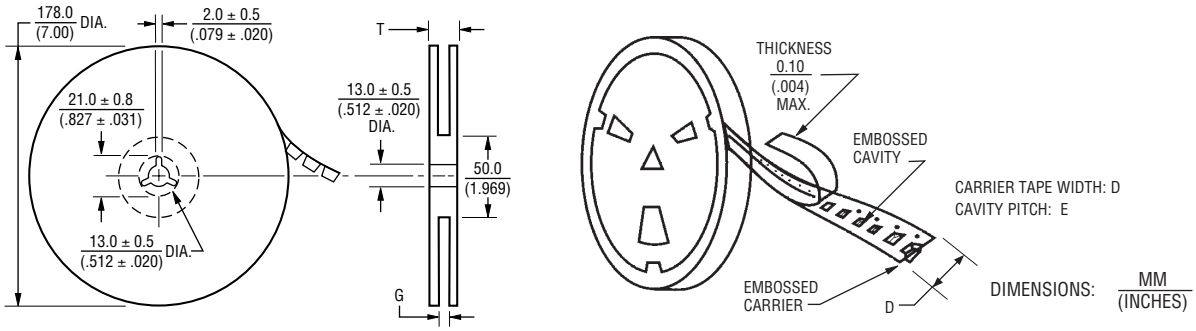


Recommended Land Pattern



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 ± 0.15 (.063 ± .006)	0.8 ± 0.2 (.031 ± .008)	0.8 ± 0.2 (.031 ± .008)	0.3 ± 0.2 (.012 ± .008)	0.7 (.028)	0.7 (.028)	0.7 (.028)

Reel Dimensions



Series	Pcs. per Reel	Gross Weight (g)	D	E	G	T
3261	3,000	150	8.0 (.315)	4.0 (.157)	10.0 + 0 (.394 + 0)	12.5 (.492)
2029	4,000	120	8.0 (.315)	4.0 (.157)	10.0 + 0 (.394 + 0)	12.5 (.492)
1608	4,000	90	8.0 (.315)	4.0 (.157)	10.0 + 0 (.394 + 0)	12.5 (.492)

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- Bourns Inc. Information

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- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management