

Technical proposal for JX-x-NFS_DFS_MDFS-4.3 Power Divider

Product Features

- ◆ Wide Frequency Band 350-2700MHz
- ◆ Low Passive Intermodulation
- ◆ Low VSWR & Insertion Loss
- ◆ Indoor & Outdoor, IP65
- ◆ Widely used for In-building Solutions

Revision History

| Version | Date | Author | Revision description | Comment |
|---------|------------|----------|----------------------|---------|
| V1.0 | 2019/01/31 | Sam Chen | Created | / |
| V1.1 | 2019/02/15 | Sam Chen | Update | / |
| | | | | |
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1. Mechanical layout

Table 1 Mechanical Specifications

| | |
|------------|---|
| Dimension | See the outline drawing below |
| Connectors | N-Female; 4.3/10 Female; DIN(7/16)-Female |
| Finish | Black/Gray/White |
| Notes | Material shall be RoHS 6/6 |

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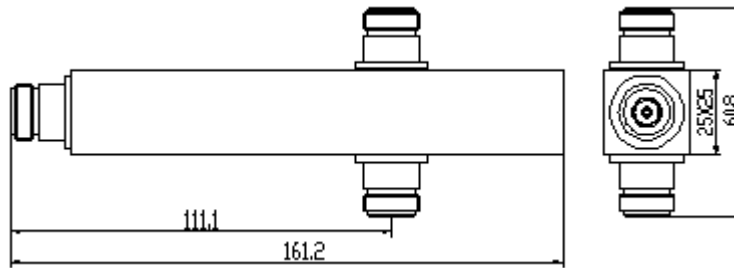
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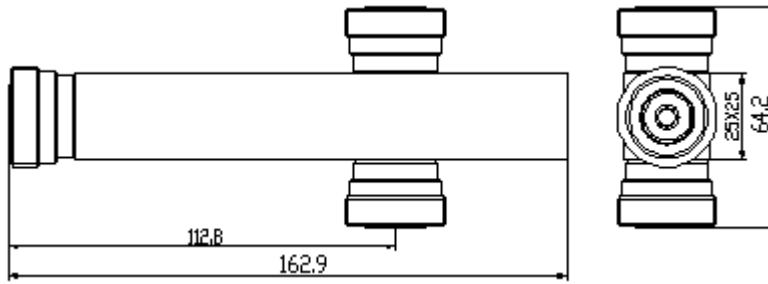
JX-x-NFS_DFS_MDFS-4.3_15/02/2019_Rev:V1.1



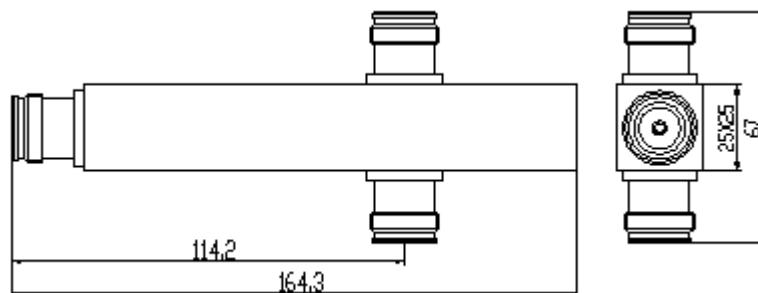
JX-2-NFS:



JX-2-DFS:



JX-2-MDFS-4.3:



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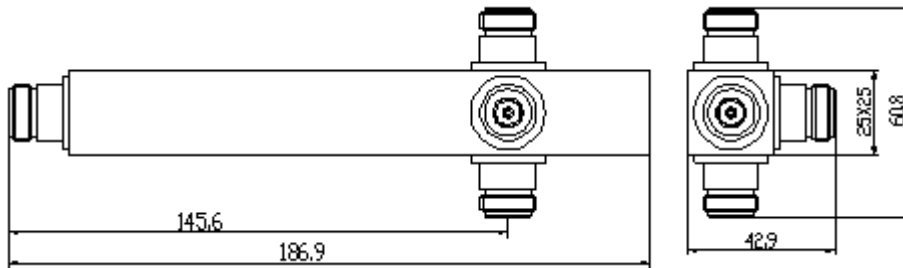
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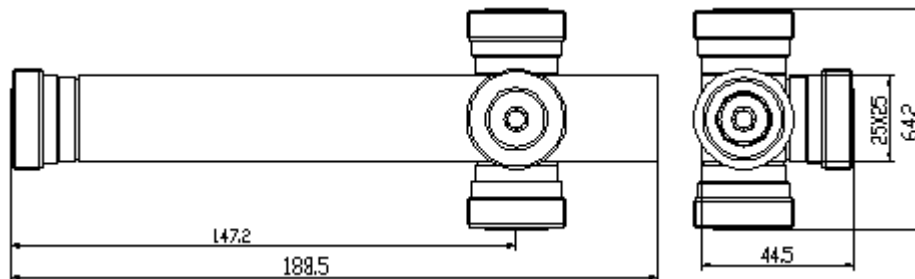
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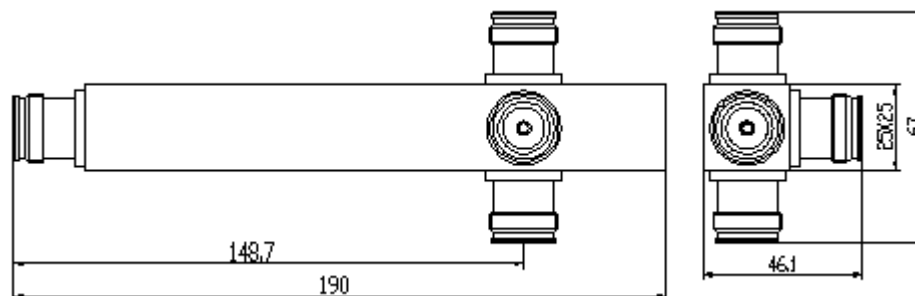
JX-3-NFS:



JX-3-DFS:



JX-3-MDFS-4.3:



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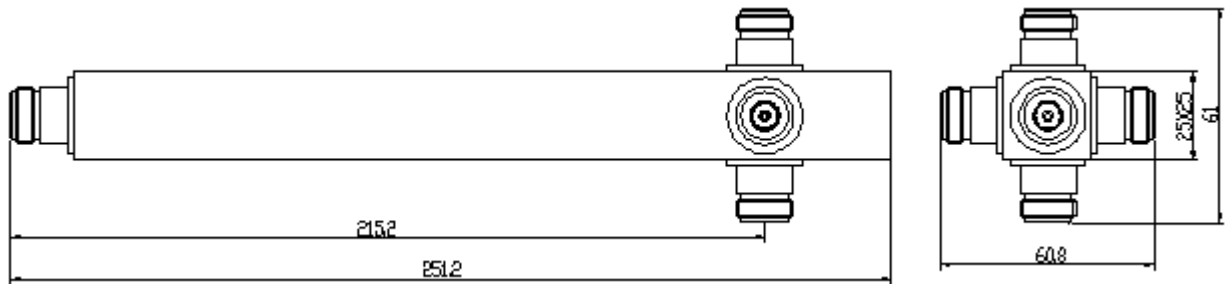
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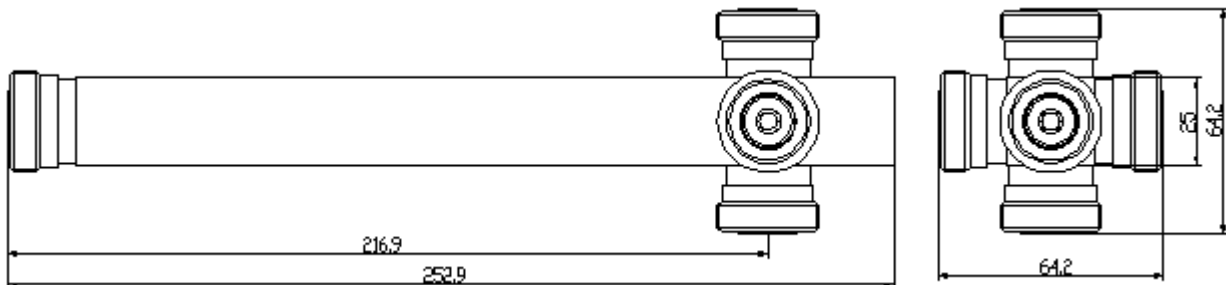
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JX-4-NFS:



JX-4-DFS:



JX-4-MDFS-4.3:

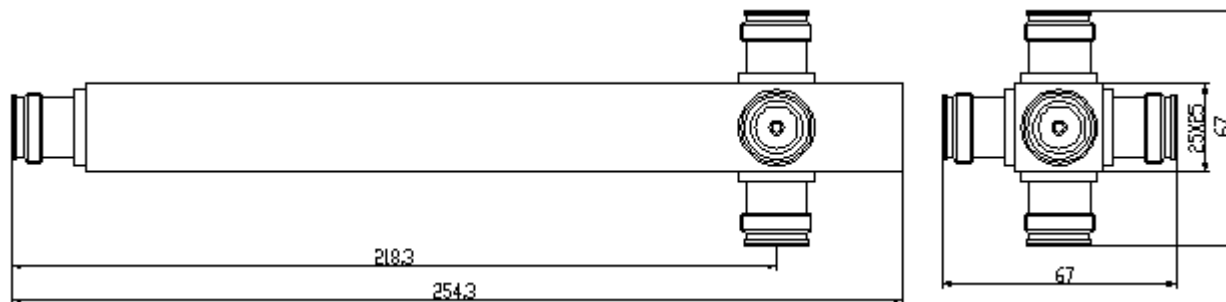


Figure 1 JX-x-NFS_DFS_MDFS-4.3 Power Divider

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2. Electrical Specifications

Table 2 Electrical Specifications

| Item | Parameter | | spec | | |
|------|---------------------|----------|--|----------|---------------|
| | | | JX-x-NFS | JX-x-DFS | JX-x-MDFS-4.3 |
| | Model | | JX-x-NFS | JX-x-DFS | JX-x-MDFS-4.3 |
| 1 | Frequency Rang(MHz) | | 350-2700 | | |
| 2 | Split (dB) | | 2 | 3 | 4 |
| 3 | Split Loss (dB) | | 3 | 4.8 | 6 |
| 4 | VSWR | 380-2700 | 1.20:1 | 1.20:1 | 1.30:1 |
| | | 350-380 | 1.30:1 | 1.30:1 | |
| 5 | Insertion loss (dB) | | 0.30 | 0.40 | 0.50 |
| 6 | Intermodulation | | -155 dBc@2x43dBm | | |
| 7 | Power Rating | | 300W | | |
| 8 | Impedance | | 50Ω | | |
| 9 | Temperature Range | | -35 to +85°C | | |
| 10 | Applications | | Indoor/Outdoor Use, IP65 ,RoHS Compliant | | |

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