

Features:

- Cable length: See Page 2
- Cable OD 0.81mm
- Connector 1: RP SMA Female
- Connector 2: I-PEX MHF4 or equivalent
- Attenuation 1dB @ 1GHz
- Attenuation 3.5dB @ 6GHz
- RoHS Compliant

Applications:

- Jumper Cable



All dimensions are in mm / inches

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Description: **MHF4 – RP SMA Female Jumper Cable**

Series: **Cable Assembly**

PART NUMBER: W9037BDXXXX

ELECTRICAL SPECIFICATIONS

| | |
|--------------------------|------------|
| Frequency | 0~8GHz |
| Nominal Impedance | 50±2 Ω |
| RL of Port-SMA | -12dB(Max) |
| RL of Port-MHF4 | -12dB(Max) |
| Max operating voltage(V) | 1000 |

| Frequency | Overall Attenuation/dB | | |
|-----------|------------------------|-------------|-------------|
| | W9037BD0100 | W9037BD0200 | W9037BD0250 |
| 0.1MHz | 0.05 | 0.06 | 0.07 |
| 1G | 0.45 | 0.75 | 0.89 |
| 2G | 0.63 | 1.06 | 1.27 |
| 3G | 0.79 | 1.33 | 1.58 |
| 4G | 0.95 | 1.58 | 1.88 |
| 5G | 1.08 | 1.81 | 2.15 |
| 6G | 1.34 | 2.11 | 2.45 |
| 7G | 1.57 | 2.42 | 2.90 |
| 8G | 1.91 | 2.77 | 3.15 |

MECHANICAL SPECIFICATIONS

| | Connector Type | Cable Tpye | Overall Length(m m/in) | Cable Length(m m/in) | Weight(g) | Color |
|-------------|---|-------------------------------|---------------------------|-------------------------|-----------|-------|
| W9037BD0100 | I-PEX MHF4 or equivalent + RP SMA Female with Spring Washer | Φ0.81 MM Coaxial Cable, Black | 116/4.57 | 100/3.94 | 3 | Black |
| W9037BD0200 | | | 216/8.50 | 200/7.87 | 3.3 | |
| W9037BD0250 | | | 266/10.47 | 250/9.84 | 3.5 | |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|-----------|
| Operating Temperature | -40~85° C |
| Storage Temperature | -40~85° C |
| RoHS Compliant | Yes |

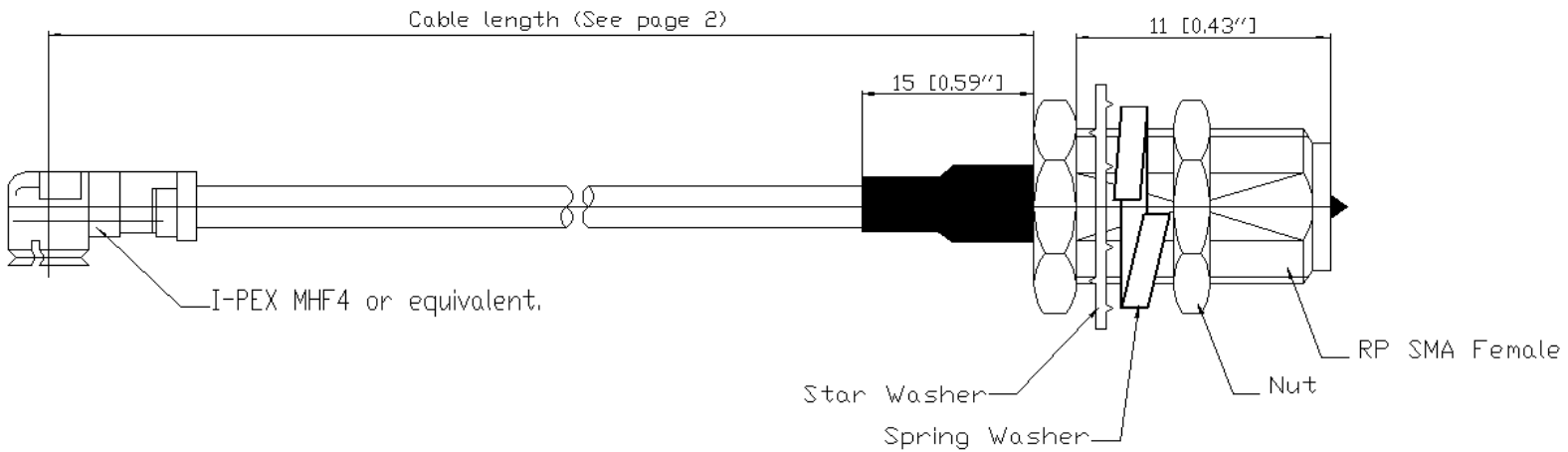
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MECHANICAL DRAWING



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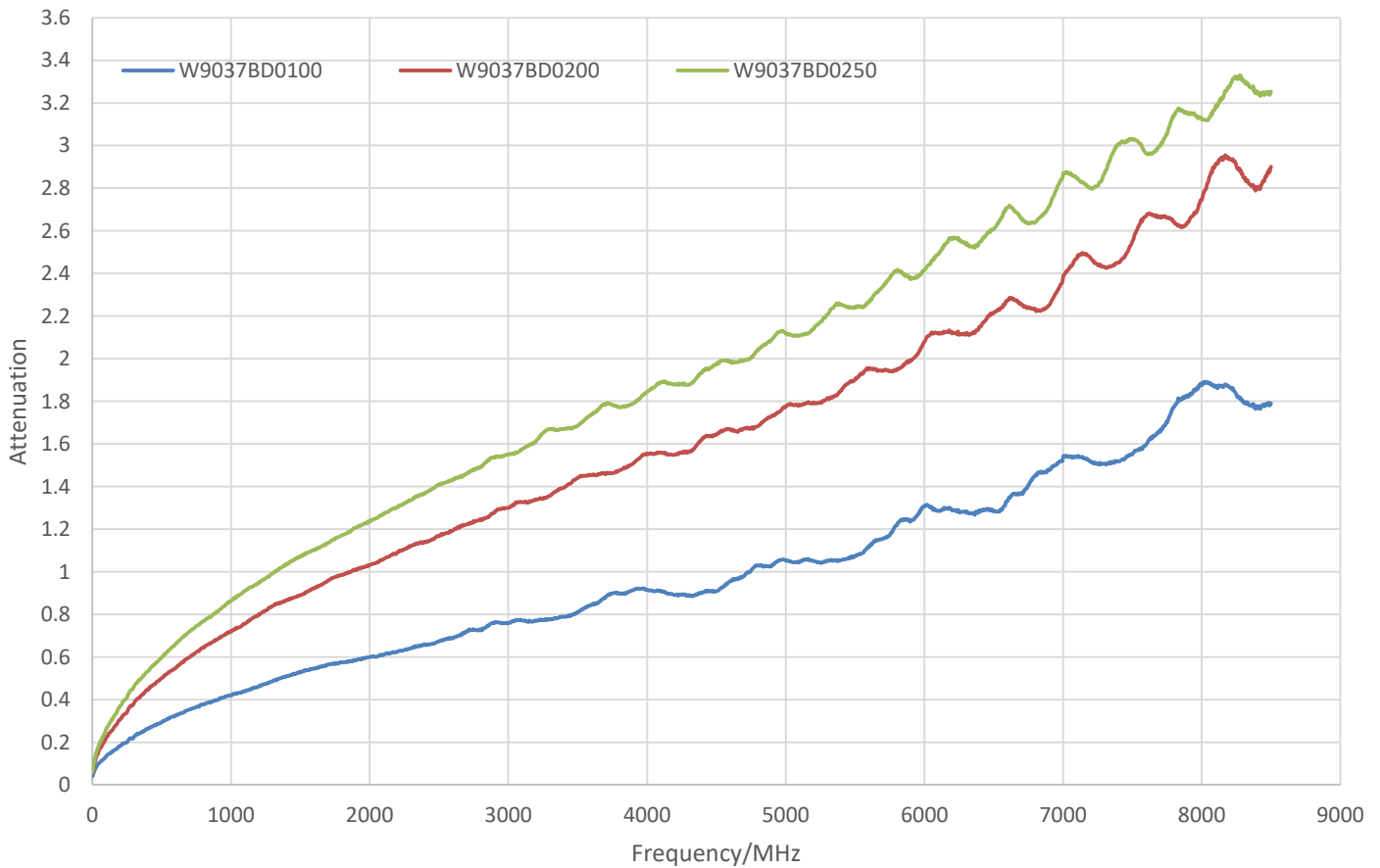
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CHARTS

Attenuation of the W9037 vs Frequency

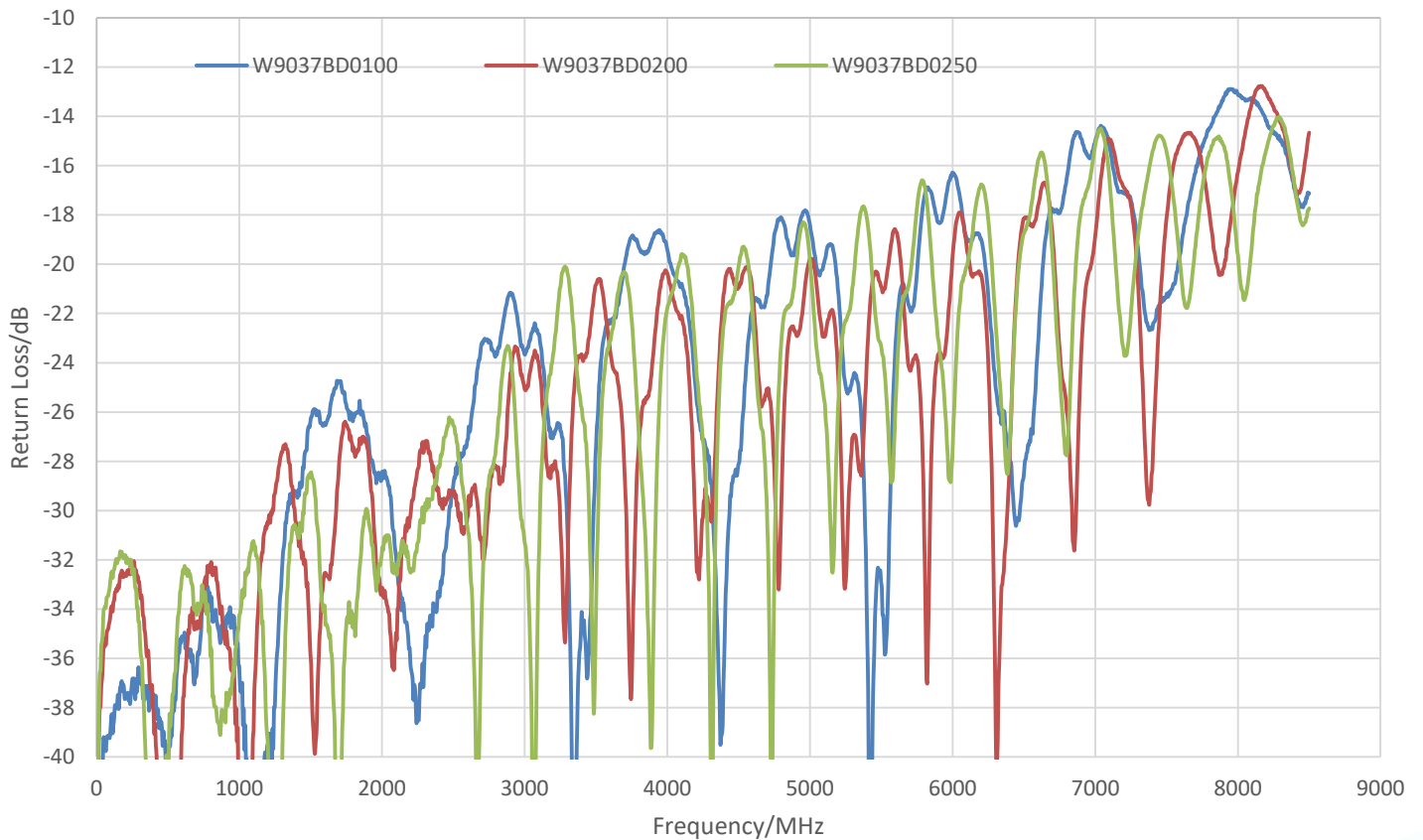
W9037/Attenuation



CHARTS

Return Loss of Port-SMA vs Frequency

W9037/Port-SMA



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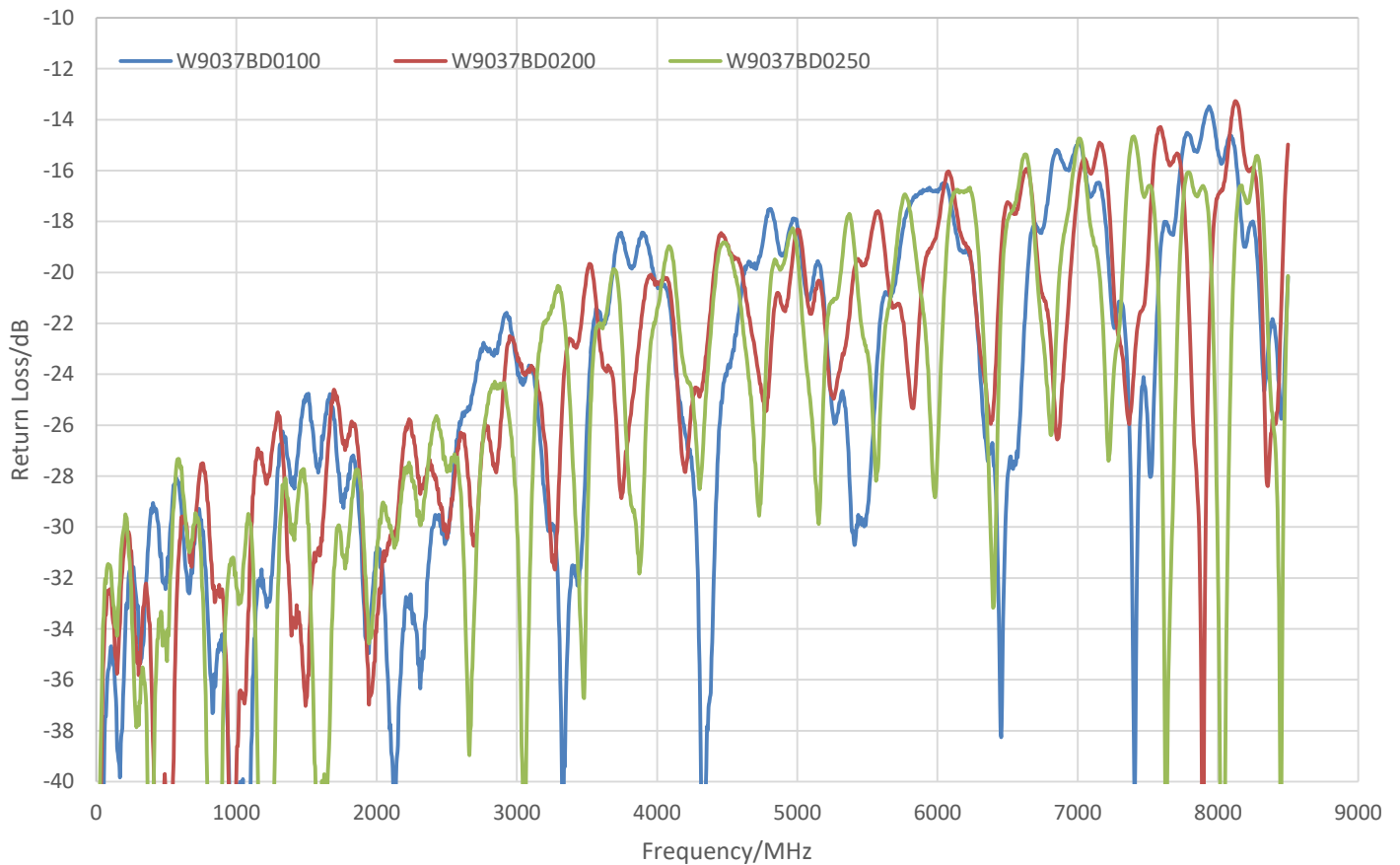
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CHARTS

Return Loss of Port-MHF4 vs Frequency

W9037/Port-MHF4



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Description: **MHF4 – RP SMA Female
Jumper Cable**

Series: **Cable Assembly**

PART NUMBER: W9037BDXXXX

PACKAGING

Quantity: **20 PCS / Column PE bag, 2000 pcs / Box**



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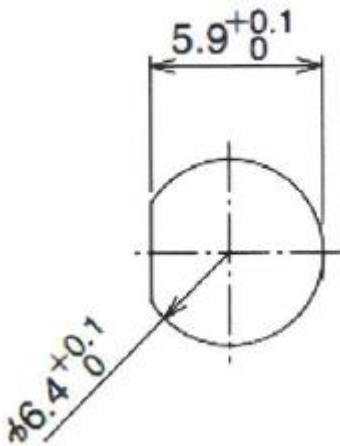
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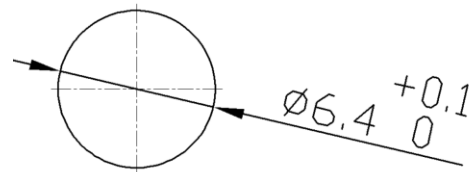
ASSEMBLY

The RP-SMA male connector fits through the assembly hole, the hole size is below.
SMA connector thread length: 11mm / 0.43in

● **Panel cut-out**



Option 1



Option 2