PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: MHF4 - SMA Female Jumper Cable

Series: Cable Assembly

PART NUMBER:W9017BDXXXX





Features:

- Low Loss mini coax cable
- OD 0.81mm
- Color Black
- Various cable lengths available, refer to page 2.
- RoHS compliant

Applications:

- SMA Female to MHF-4 jumper cable
- RF connections for radios and antennas
- Connection from radio to external antennas

All dimensions are in mm / inches

Issue: 1901

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Frequency	0~7.1GHz
Nominal Impedance	50±2 Ω
RL of Port-SMA Female	-10dB(Max)
RL of Port-MHF4	-10dB(Max)
Max operating voltage(V)	1000

	Overall Attenuation/dB		
Frequency	W9017BD0100	W9017BD0200	W9017BD0250
0.1MHz	0.04	0.06	0.07
1G	0.47	0.77	0.90
2G	0.64	1.10	1.30
3G	0.84	1.43	1.62
4G	0.95	1.66	1.95
5G	1.20	1.88	2.11
6G	1.47	2.23	2.51
7G	1.64	2.65	2.92
8G	2.16	3.14	3.21

MECHANICAL SPECIFICATIONS

	Connector Type	Cable Tpye	Overall Length(mm/in)	Cable Length(mm/in)	Weight(g)	Color
W9017BD0100	I-PEX MHF4 or equivalent + SMA Female with Spring Washer	Φ0.81 MM Coaxial Cable, Black	116/4.57	100/3.94	3	Black
W9017BD0200			216/8.50	200/7.87	3.3	
W9017BD0250			266/10.47	250/9.84	3.5	

ENVIRONMENTAL SPECIFICATIONS

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

Issue: 1901

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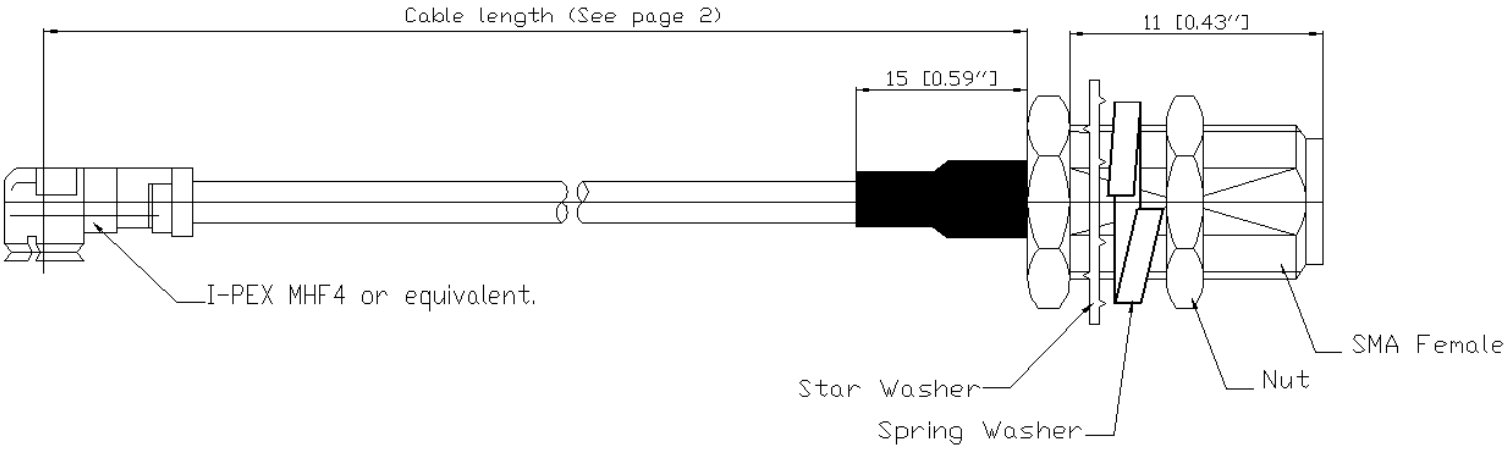
RoHS COMPLIANT

Description: MHF4 - SMA Female Jumper Cable

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MECHANICAL DRAWING



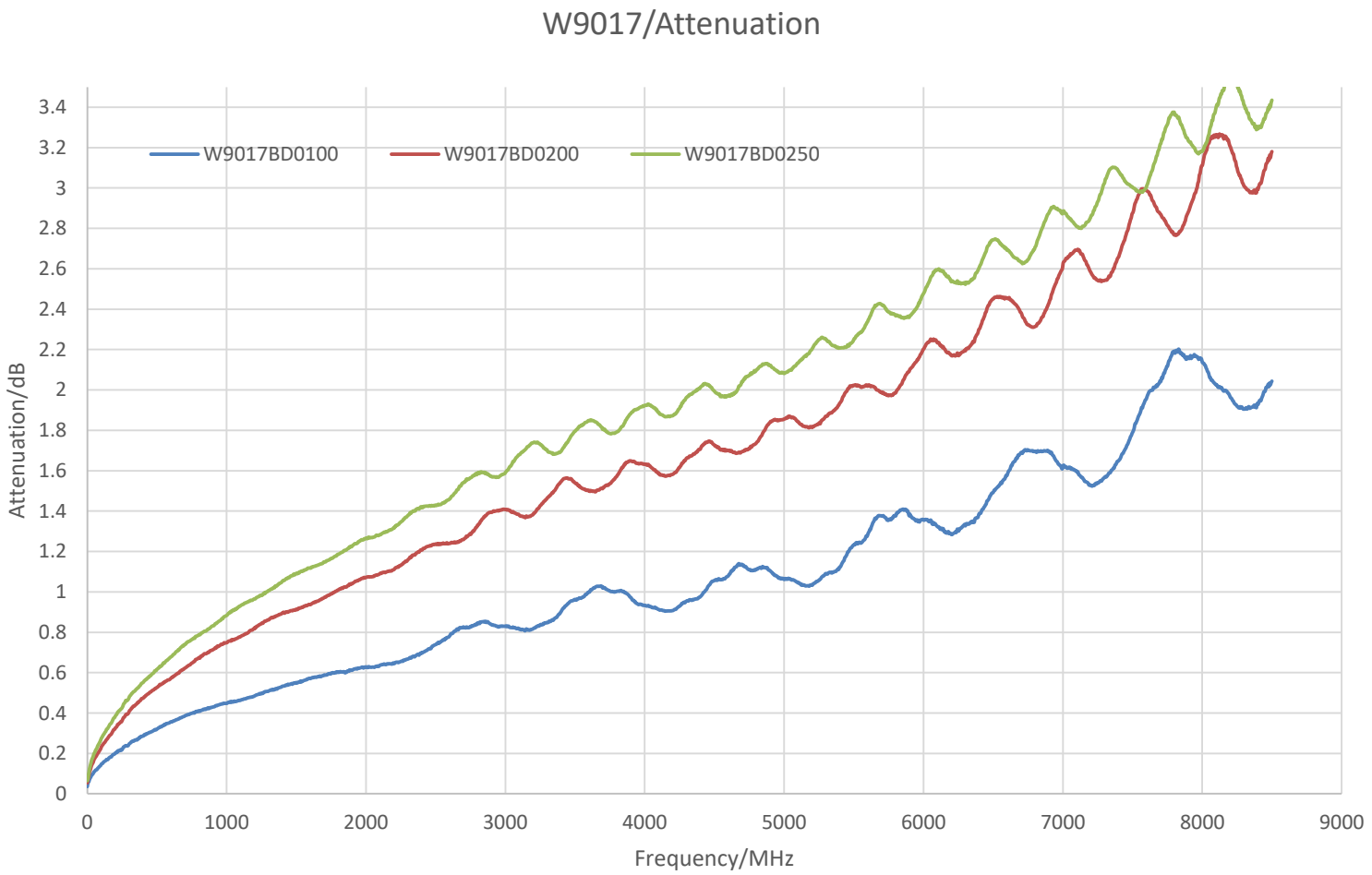
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Attenuation vs Frequency



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RoHS COMPLIANT

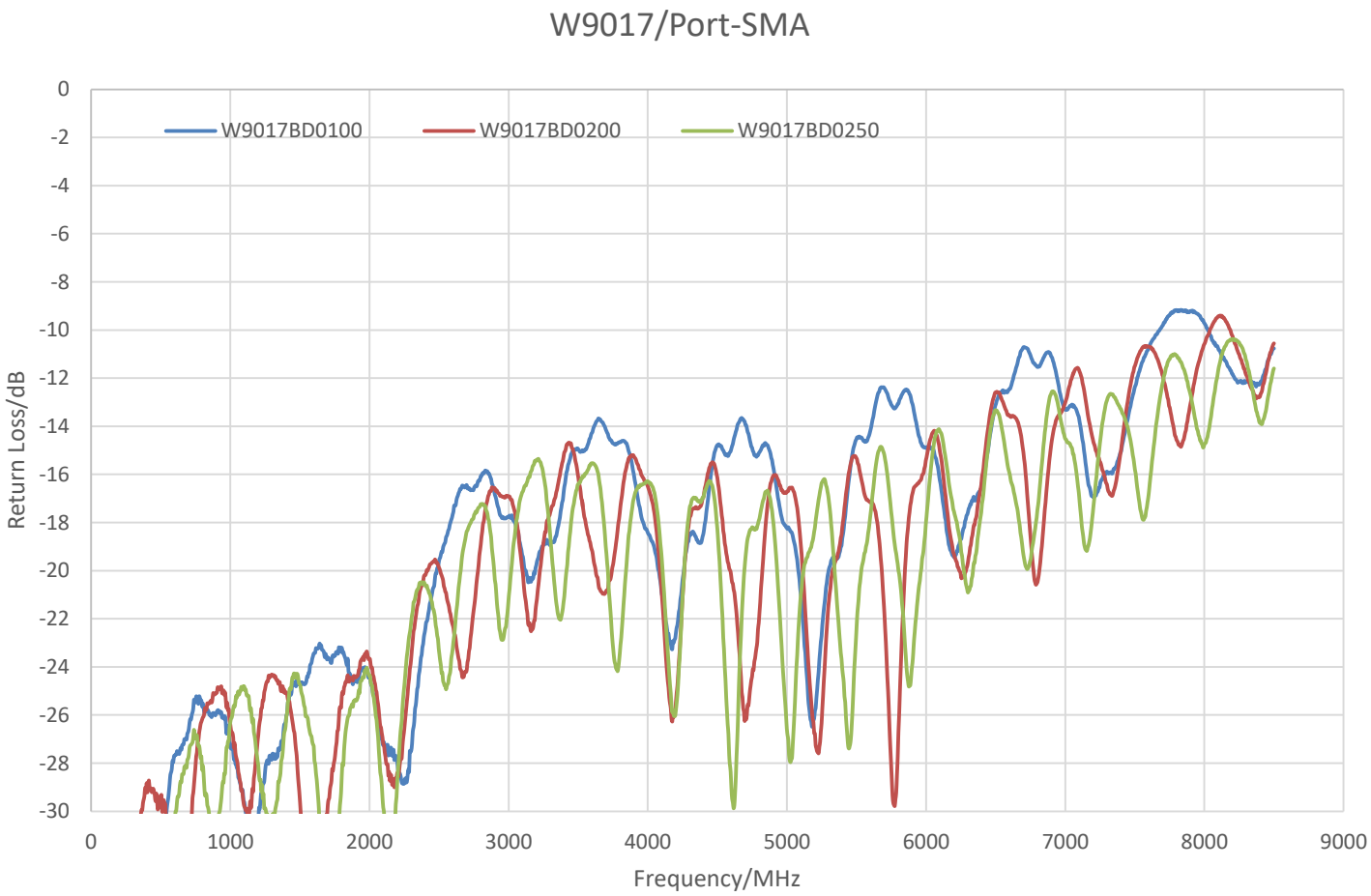
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CHARTS

Return Loss of Port-SMA Female vs Frequency



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RoHS COMPLIANT

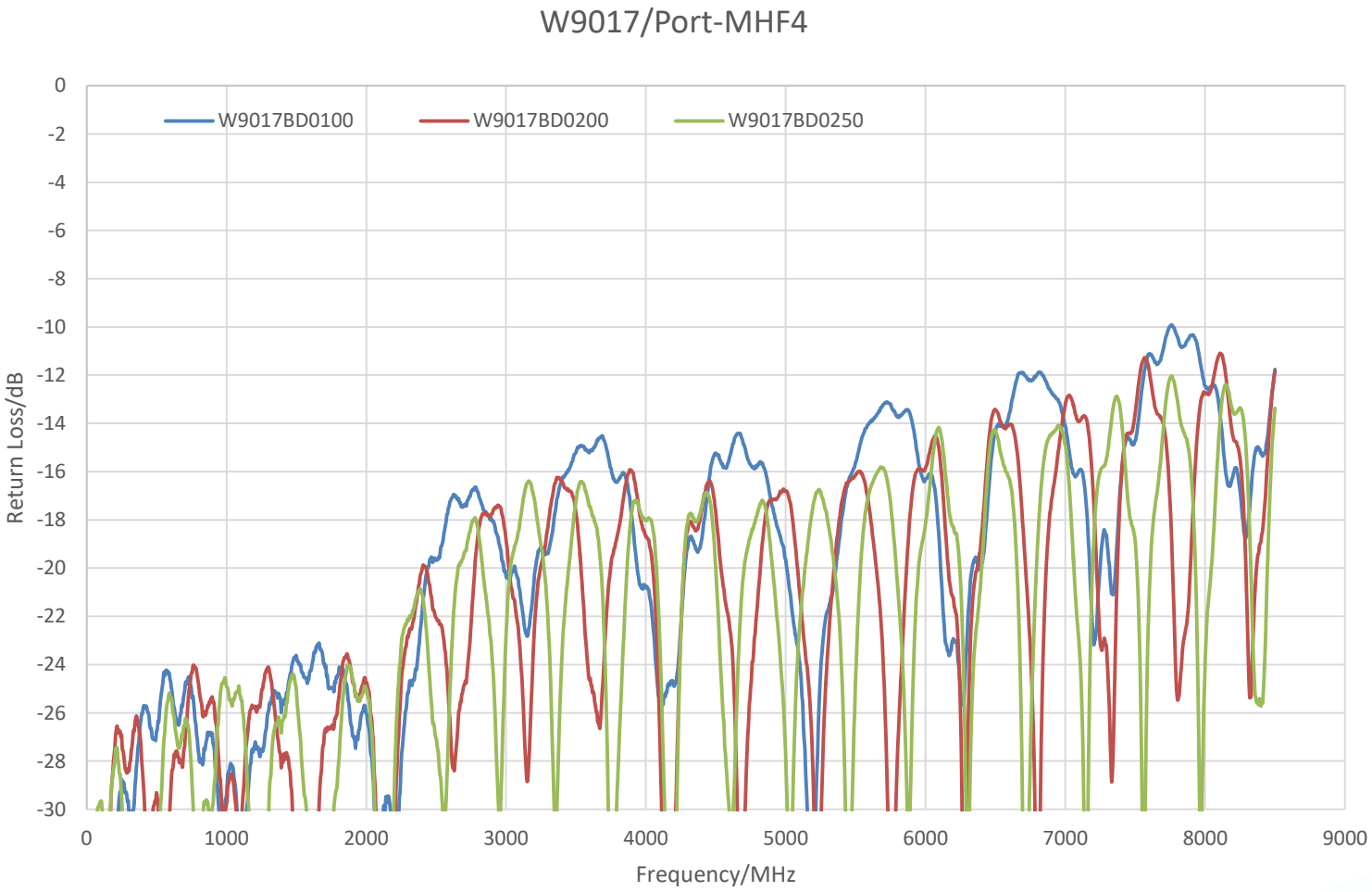
Description: MHF4 - SMA Female Jumper Cable

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CHARTS

Return Loss of Port-MHF4 vs Frequency



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RoHS COMPLIANT

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PACKAGING

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



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RoHS COMPLIANT

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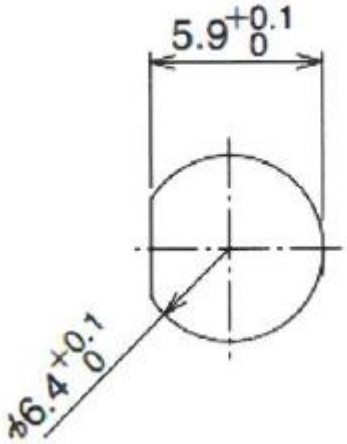
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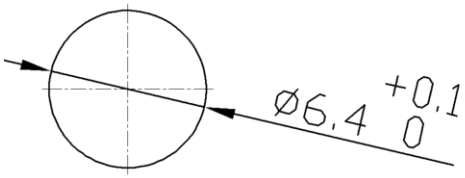
ASSEMBLY

The 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

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