

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

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Tel: 86 512 6807 9998



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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

Frequency	Overall Attenuation/dB		
	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 Type	Overall Length(m m/in)	Cable Length(m m/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

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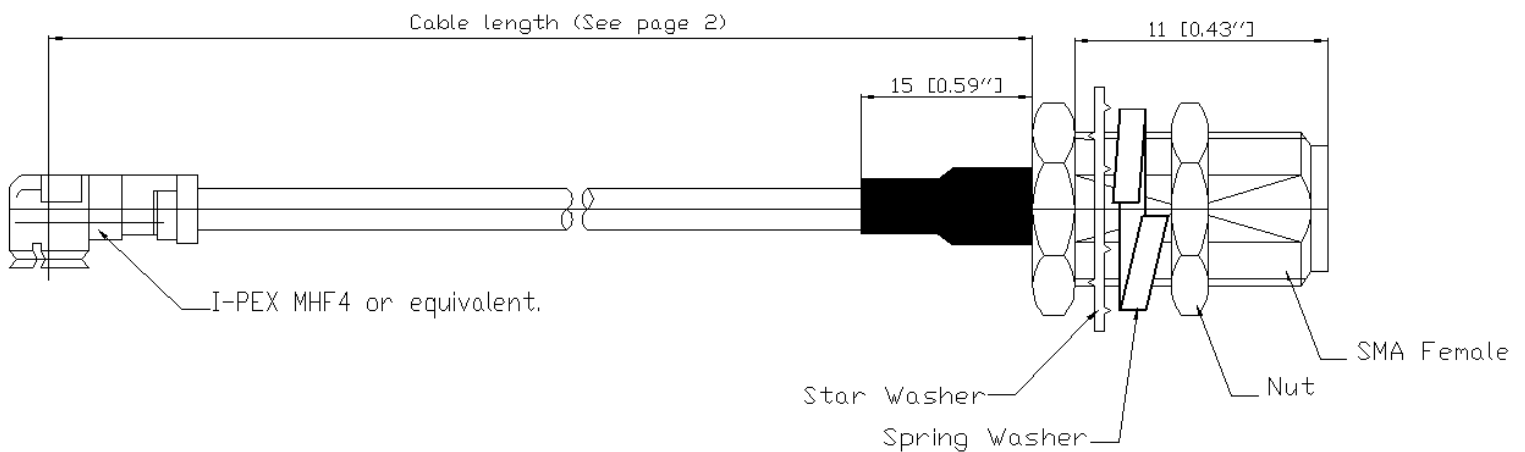
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MECHANICAL DRAWING



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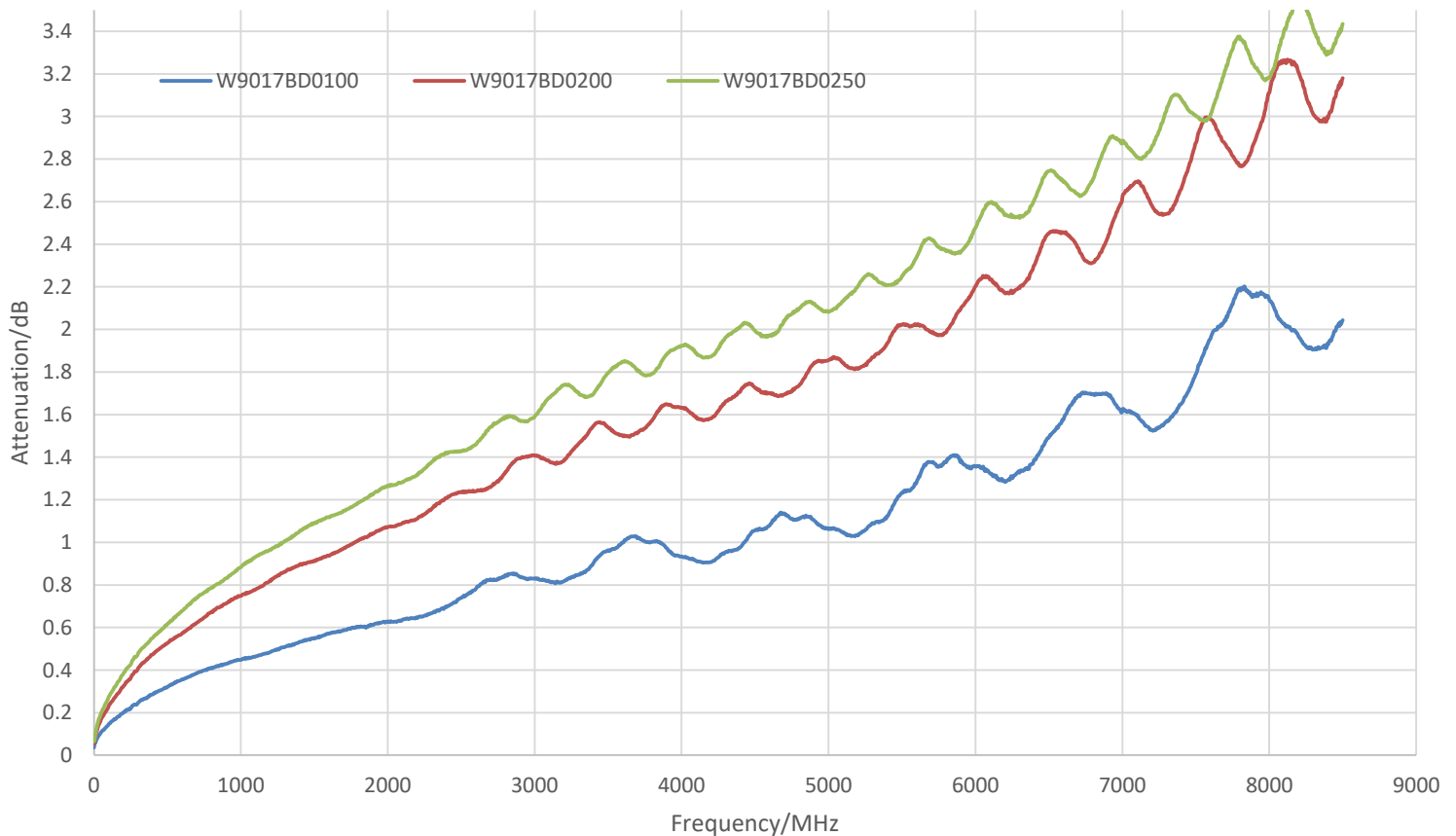
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Attenuation vs Frequency

W9017/Attenuation



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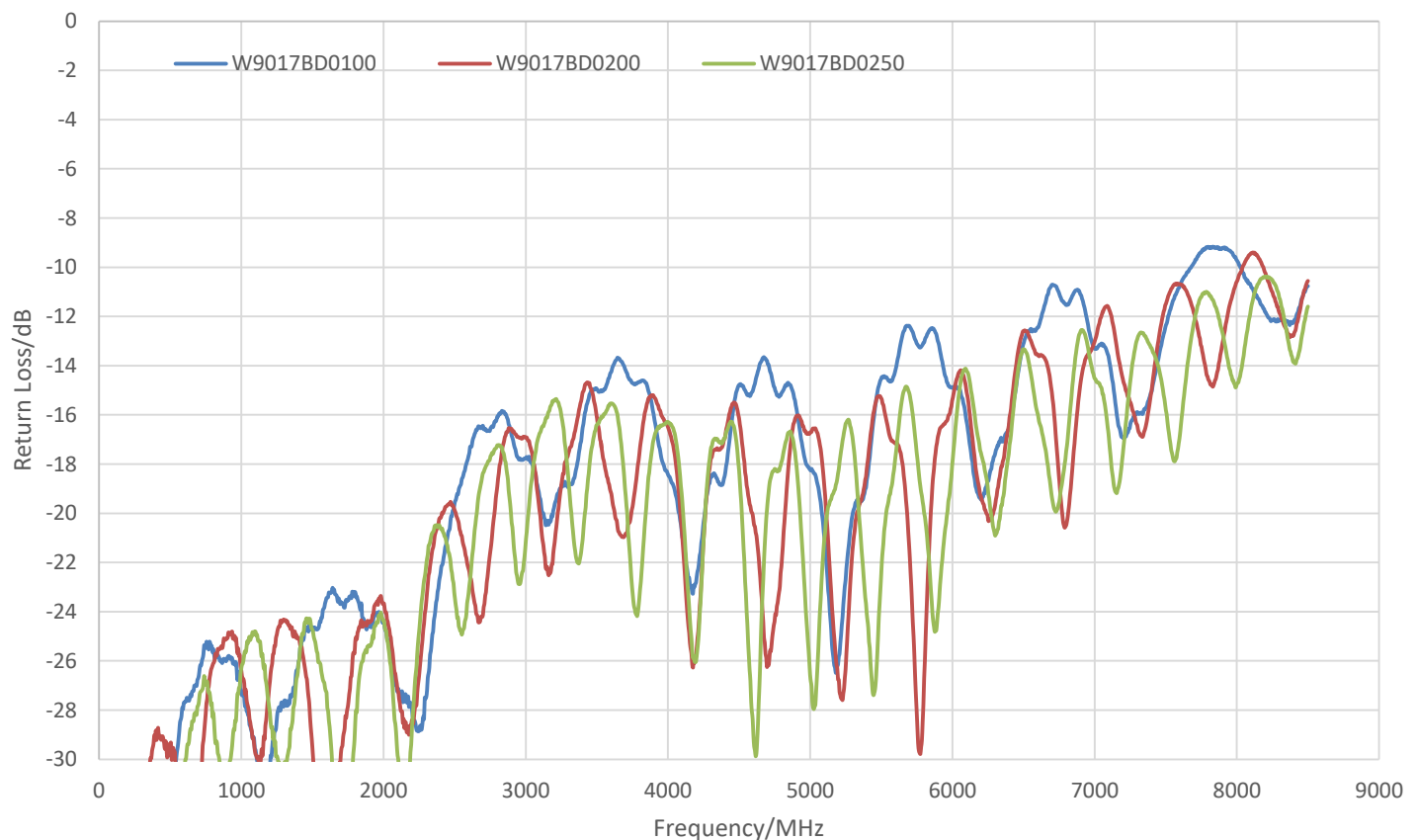
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CHARTS

Return Loss of Port-SMA Female vs Frequency

W9017/Port-SMA



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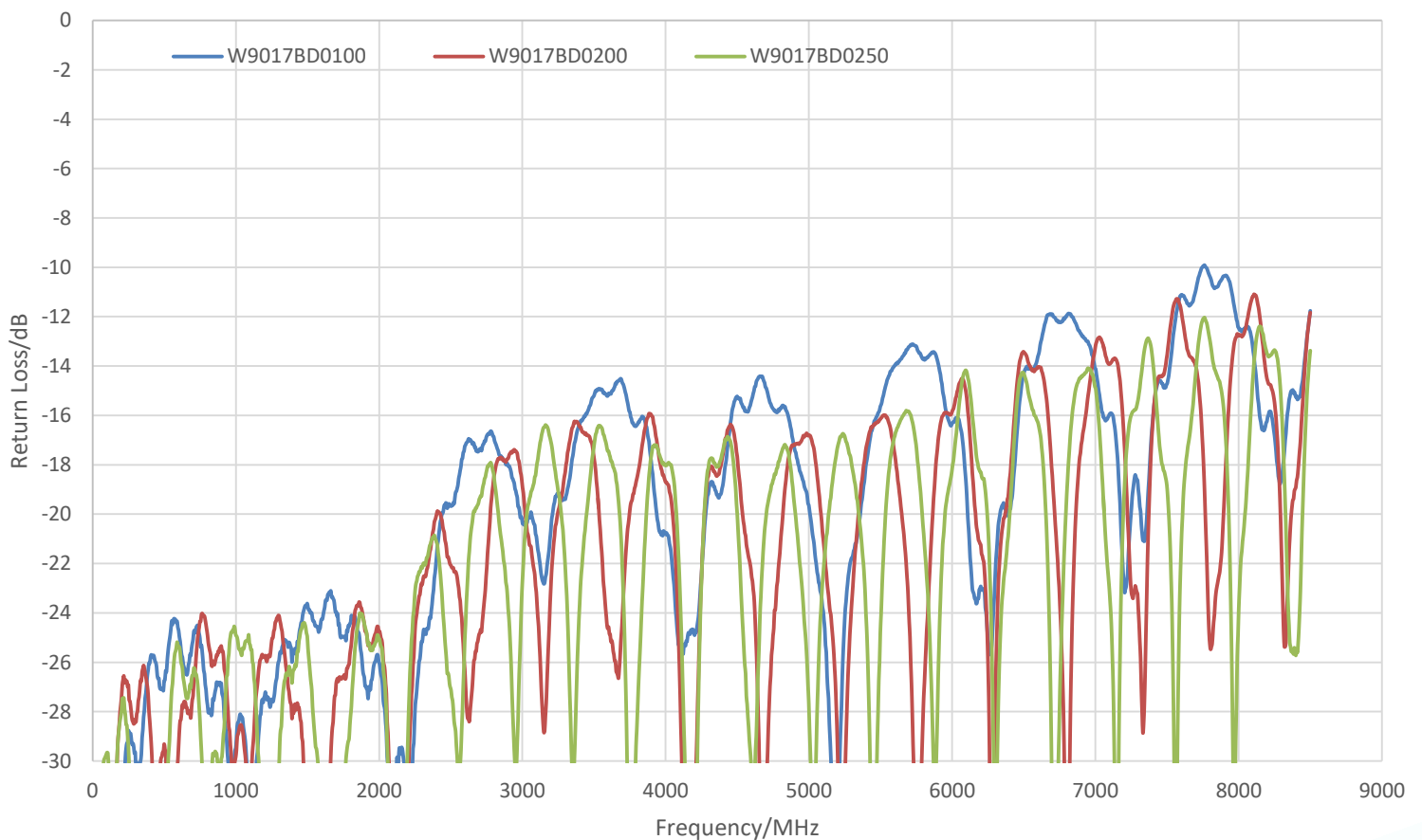
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PART NUMBER: W9017BDXXXX

CHARTS

Return Loss of Port-MHF4 vs Frequency

W9017/Port-MHF4



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PACKAGING

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



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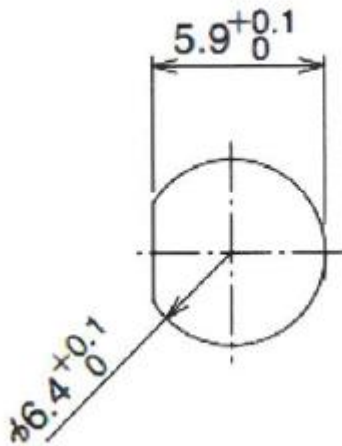
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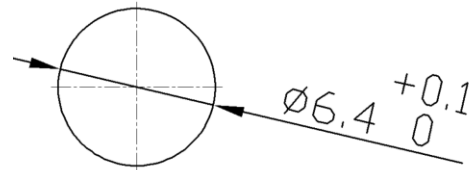
ASSEMBLY

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[W9017BD0100](#) [W9017BD0200](#) [W9017BD0250](#)