

MHF1 to MHF1 Micro Coax Cable Assembly



General information

MHF1 (U.FL, UMCC gen 2) to MHF1 (U.FL, UMCC gen 2) micro coaxial cable assembly.

Typical applications

High-frequency signal transmission in compact and complex electronic environments where miniaturized RF connections are essential. Commonly used in wireless and IoT devices, these cable assemblies facilitate antenna connections for Wi-Fi, Bluetooth, LTE, and 5G modules, as well as enable interoperability between different connector standards.

Electrical data

1st Connector	U.FL (UMCC), IPEX MHF1 Plug, Right Angle
1st Contact gender	female
1st Connector mounting type	free hanging (In-Line), right angle
2nd Connector	U.FL (UMCC), IPEX MHF1 Plug, Right Angle
2nd Contact gender	female
2nd Connector mounting type	free hanging (In-Line), right angle
Cable impedance [Ohm]	50
Maximal frequency [GHz]	6

Mechanical data

Length [mm] ¹⁾	50 +/- 1
Outer Diameter [mm]	0.81
Color ²⁾	Black

Environmental data

Operating temperature [°C]	-40...+85
Storage temperature [°C]	-40...+85
Ambient relative humidity [%]	0...85
RoHS / REACH compliant	yes / yes

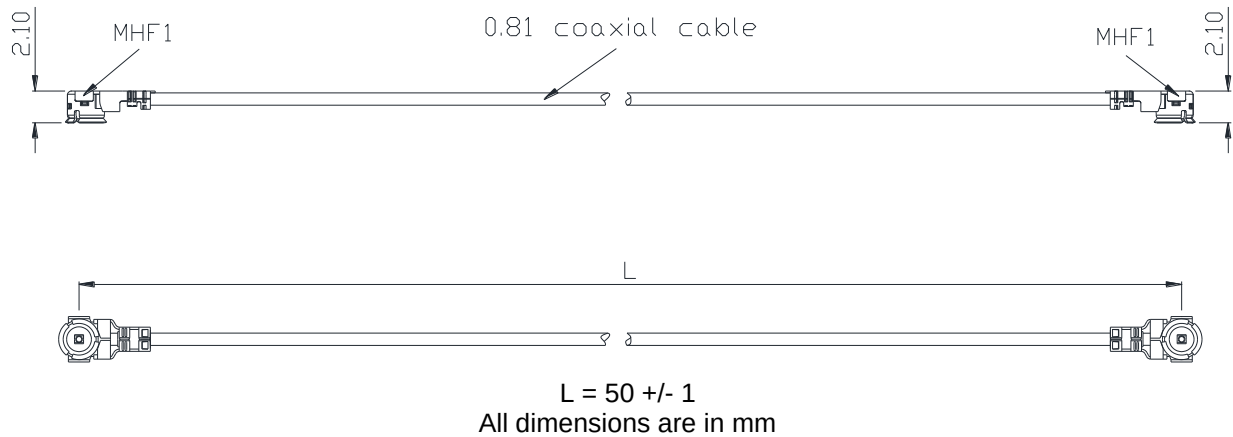
Additional information

¹⁾ The cable length can be customized as per requirements.

²⁾ White color option available upon request.

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Drawings



Cable attenuation per unit length

Frequency [GHz]	Attenuation [dB/m]
0.1	0.96
1	2.96
2	4.39
3	5.56
4	6.62
5	7.54
6	7.88