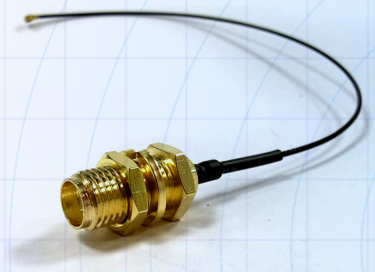
SP TECHNOLOGY

PRODUCT DATASHEET



RF CABLE ASSEMBLY

SMA-MHF4

RF Cable Assembly, 0.81 mm Coax, 200 mm

SZ-2-0C-200-B-04-00-1

CABLE	LENGTH	CONNECTOR A	CONNECTOR B
0.81 mm micro-coax	200 mm	SMA bulkhead	MHF4 plug

ASSEMBLY	200 mm	SMA female bulkhead (jack) to MHF4 plug on 0.81 mm micro-coax

Key Features

- 0.81 mm micro-coax, 200 mm
- SMA bulkhead (jack) to MHF4 plug
- Custom lengths on request

Synzen Precision Technology Ltd
Taipei, Taiwan · www.synzen.com.tw · sales@synzen.com.tw

2026
Rev A

1 Introduction

SZ-2-0C-200-B-04-00-1 is a 200 mm RF cable assembly built on 0.81 mm micro-coaxial cable, with an SMA female bulkhead (jack) connector at one end and an MHF4 plug at the other. It carries the RF signal from a module or PCB fitted with an MHF4 receptacle to an SMA antenna connection. The bulkhead SMA has a rubber O-ring gasket on its flange and is supplied with a panel nut and lock washers, so it mounts straight through the enclosure wall and gives compact embedded radios an external SMA antenna port. Other lengths and connector combinations are available on request.

Features

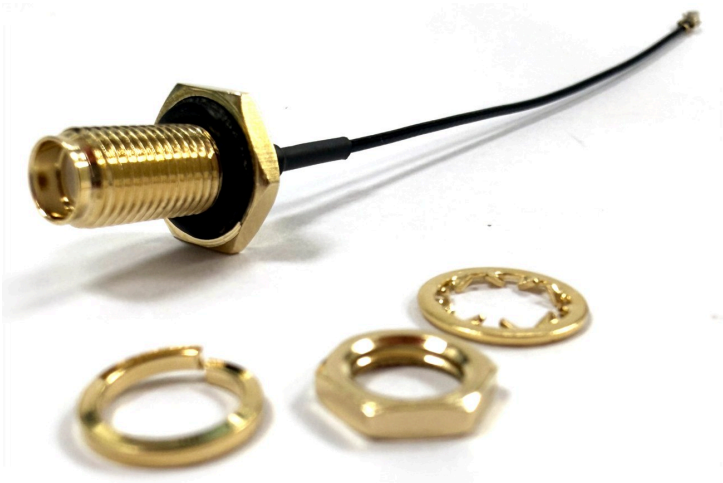
- 0.81 mm micro-coaxial cable
- Cable assembly length: 200 mm
- SMA female bulkhead (jack) connector
- Rubber O-ring gasket on the SMA flange
- Panel nut and lock washers for enclosure mounting
- MHF4 plug
- Other lengths and connectors available on request

Applications

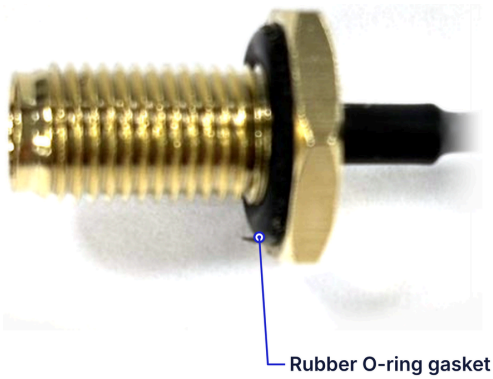
- Connecting MHF4 module receptacles to SMA antennas
- Enclosure pass-through for external antennas
- Development, evaluation and RF test setups

2 Product Photos

Supplied with panel nut, toothed lock washer and split lock washer



Close-up: rubber O-ring gasket on the SMA flange



3 Product Specifications

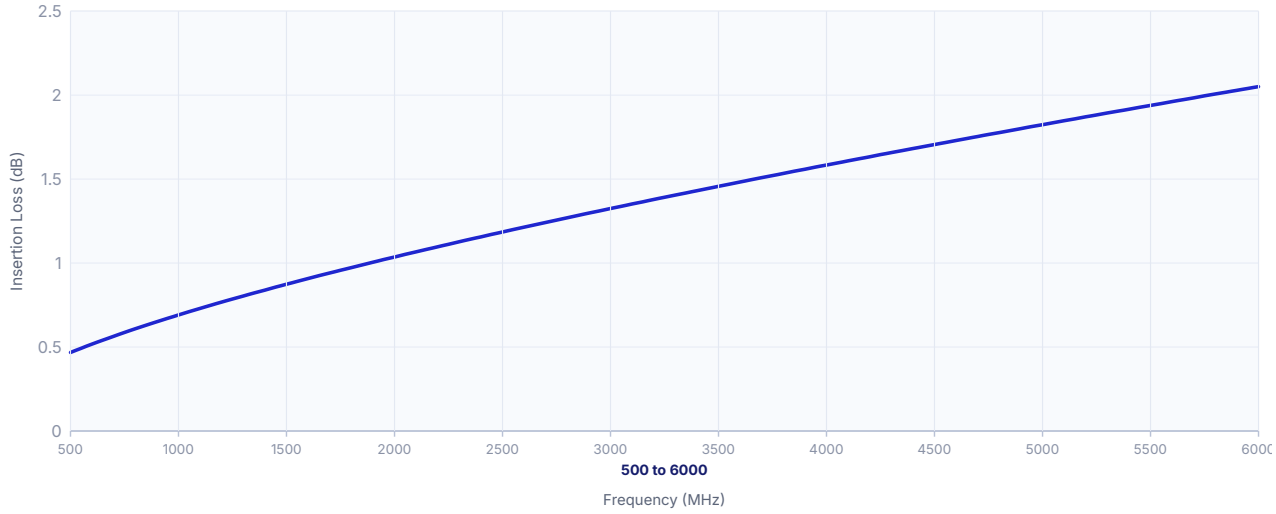
Part Number	SZ-2-0C-200-B-04-00-1
Description	SMA female to MHF4, 0.81 mm coax, 200 mm
Cable Type	0.81 mm micro-coaxial
Cable Assembly Length (L)	200 mm, rear of SMA body to MHF plug centre pin
Heat Shrink Sleeve	15 mm at the SMA end (REF)
Connector A	SMA female bulkhead (jack), rubber O-ring gasket, panel nut and lock washers
Connector B	MHF4 plug
Insertion Loss (typ.)	0.65 dB at 900 MHz, 0.97 dB at 1800 MHz, 1.17 dB at 2450 MHz

Alternate cable lengths and connectors available on request

4 Insertion Loss

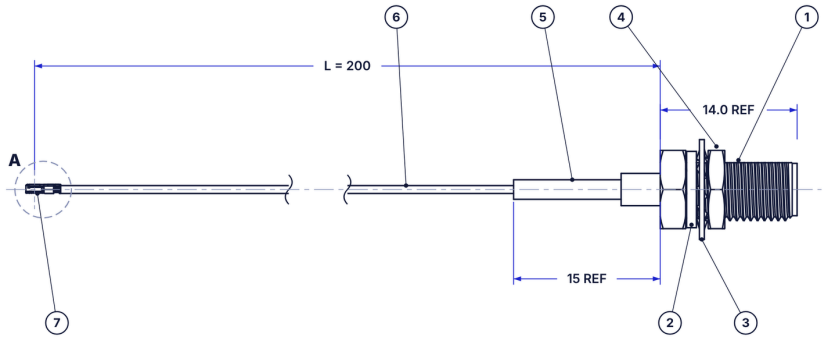
SZ-2-0C-200-B-04-00-1, 0.81 mm coax, L = 200 mm

Typical

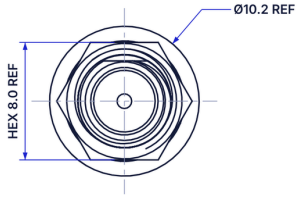


Typical insertion loss of the complete assembly including connectors. 900 MHz: 0.65 dB; 1800 MHz: 0.97 dB; 2450 MHz: 1.17 dB.

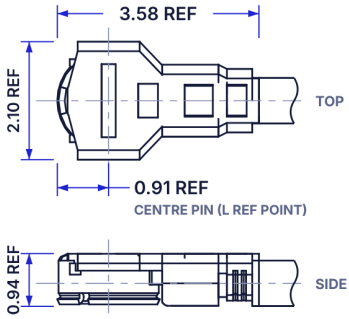
5 Mechanical Drawing



SIDE VIEW (SCALE 2:1, CABLE SHOWN BROKEN)

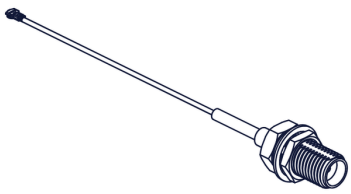


SMA END VIEW (SCALE 3:1)



DETAIL A

MHF4 PLUG (SCALE 8:1)



ISOMETRIC (CABLE SHORTENED)

Item numbers refer to the Parts List. Dimensions in mm. L is measured from the rear face of the SMA body to the centre pin of the MHF plug. REF dimensions are for information only. Full drawing and 3D STEP model available on request.

6 Parts List

Item	Description	Qty
1	SMA female bulkhead jack (1/4-36 UNS)	1
2	O-ring gasket, black rubber	1
3	Toothed lock washer (supplied loose)	1
4	Panel nut (supplied loose)	1
5	Heat shrink sleeve, black, 15 mm	1
6	0.81 mm micro-coaxial cable	1
7	MHF4 plug	1
8	Split lock washer (supplied loose, not shown)	1

7 Ordering Information

Part Number	Cable	Length (mm)	Connector A	Connector B
SZ-2-0C-200-B-04-00-1	0.81 mm micro-coax	200	SMA female bulkhead (jack)	MHF4 plug
SZ-2-0C-200-A-01-00-1	1.13 mm micro-coax	200	SMA female bulkhead (jack)	MHF1 plug (U.FL compatible)
SZ-2-0C-500-A-01-00-1	1.13 mm micro-coax	500	SMA female bulkhead (jack)	MHF1 plug (U.FL compatible)

8 Compliance

ROHS

Compliant

Conforms to EU RoHS Directive 2011/65/EU as amended by Delegated Directive (EU) 2015/863.

REACH

Compliant

Conforms to EU REACH Regulation (EC) No 1907/2006.

CERTIFICATE

On request

A certificate of conformance is available upon request from sales@synzen.com.tw.

Synzen Precision Technology Ltd makes no warranties based on the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Synzen reserves all rights to this document and the information contained herein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.