



WACC-MHF4-SMAF-100-113 Datasheet

Antenna Connector Cable (SMA Female, MHF4 IPEX Female)

Revision 1.2
Aug 17, 2021

Copyright © 2021 Wi2Wi, Inc.

1879 Lundy Ave, Suite 218, San Jose, CA 95131, United States
Email: sales@wi2wi.com | Phone: 1-408-416-4200 | Fax: 1-608-831-3343

Disclaimers

Wi2Wi, Inc. PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE MANAGING DIRECTOR OF Wi2Wi, Inc.

The definitions used herein are:

a) Life support devices or systems are devices which (1) are intended for surgical implant into the body, or (2) support or sustain life and whose failure to perform when properly used in accordance with the instructions for use provided in the labeling can reasonably be expected to result in a significant injury to the user. b) A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

Wi2Wi does not assume responsibility for use of any of the circuitry described, no circuit patent licenses are implied and Wi2Wi reserves the right at any time to change without notice said circuitry and specifications.

The content of this document is to be treated as strictly confidential and is not to be disclosed, reproduced or used, except as authorized in writing by Wi2Wi, Inc.

1. Overview

WACC-MHF4-SMAF-100-113 is an antenna connector cable with a SMA Female port on one end and a MHF4 IPEX (HSC compliant) Female port on the other end.

The length of this connector cable is 100 mm with diameter of 1.13 mm



Figure 1: WACC-MHF4-SMAF-100-113



Figure 2: SMA Female Port



Figure 3: MHF4 IPEX Female Port

2. Specification

Antenna's Ports	:	SMA Plug (Female)
Connector Port	:	MHF4 IPEX (Female)
Cable Length	:	100 mm
Cable Diameter	:	1.13 mm
Operating Temperature	:	-40°C to +85°C

3. Performance Graphs

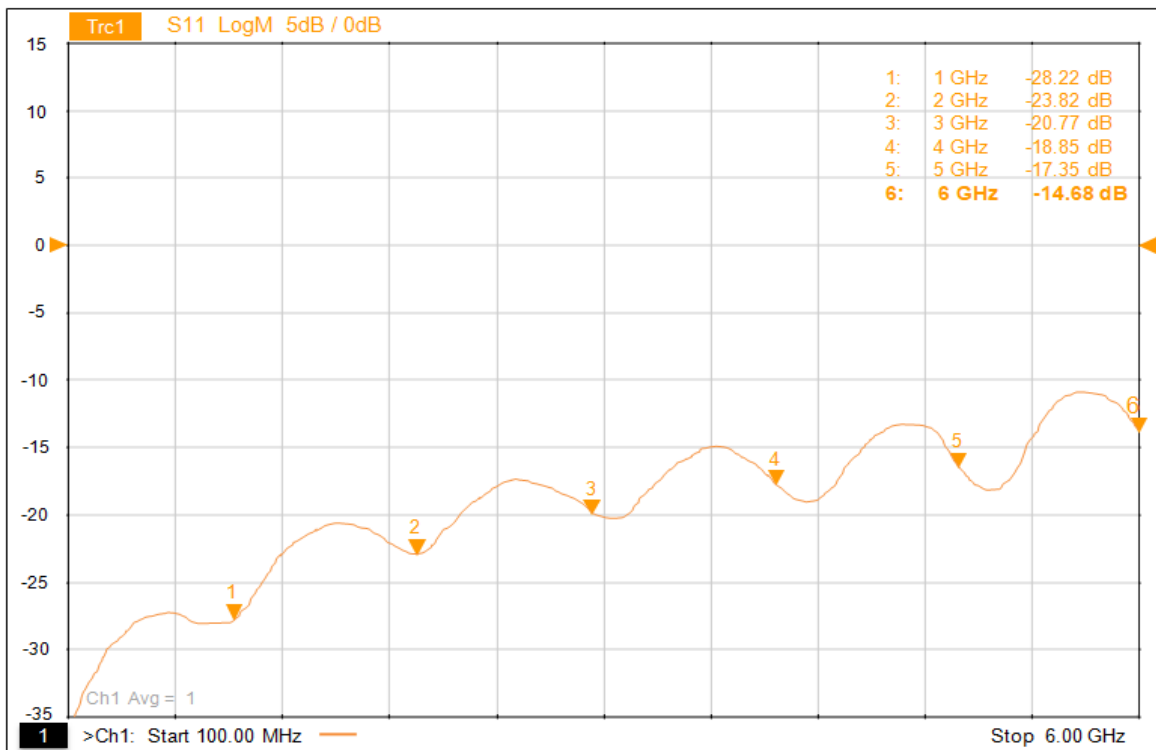


Figure 4: Reflection Coefficient vs Frequency

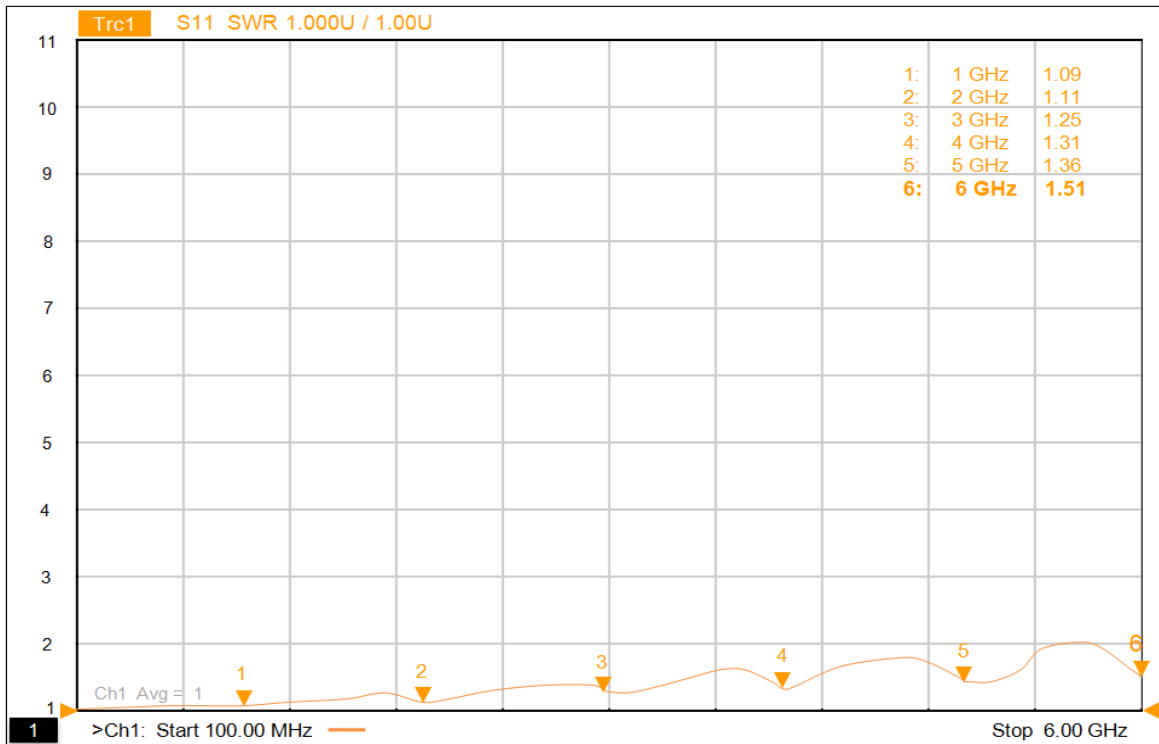


Figure 5: VSWR vs Frequency

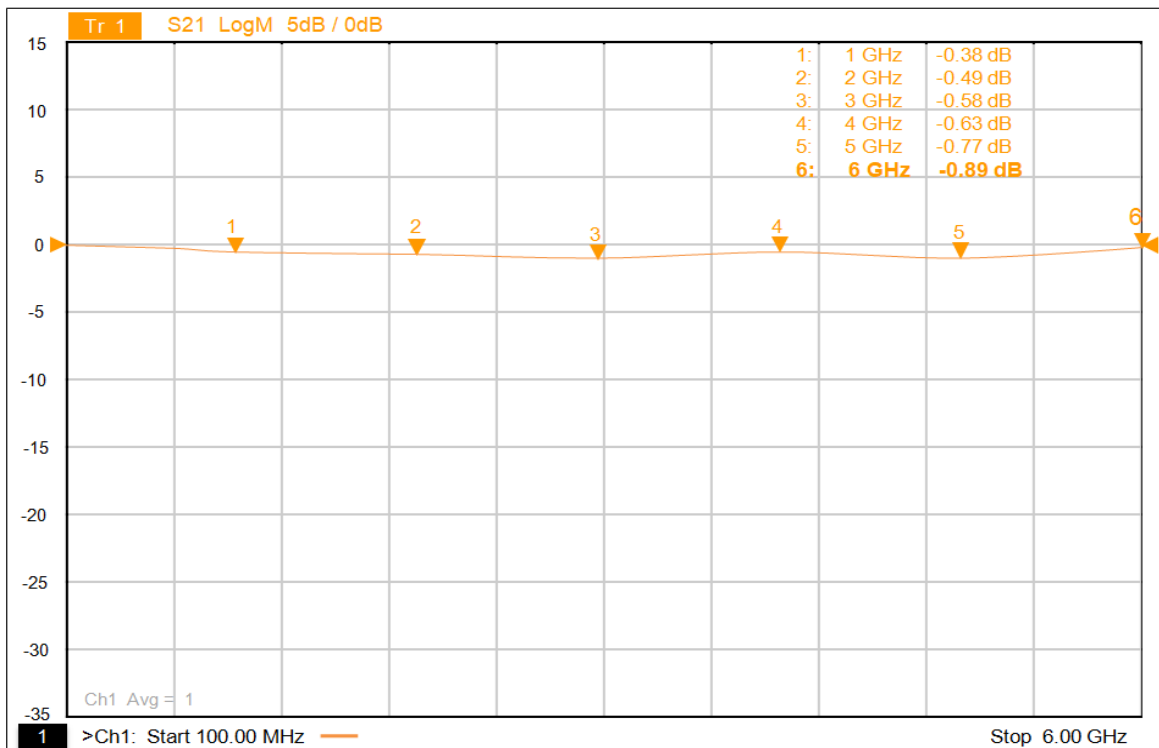


Figure 6: Insertion Loss vs Frequency

4. Mechanical Dimensions

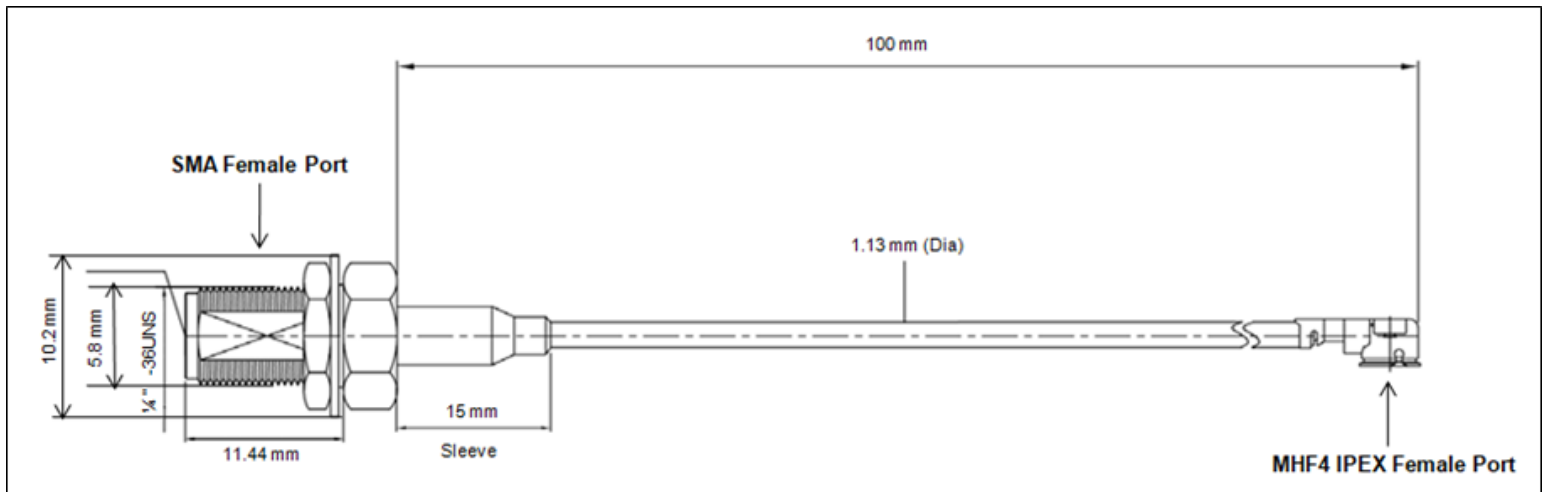


Figure 7: Connector Cable Drawing with Dimensions

5. Part Ordering

Part Order Number	Description
WASB-2400-20-SMAM	Dipole Antenna, Single-Band 2.4 GHz, SMA-Male Gain = 2 dBi (2.4 GHz)
WADB-2458-23-SMAM	Dipole Antenna, Dual-Band 2.4/5 GHz, SMA-Male Gain = 2 dBi (2.4 GHz) / 3 dBi (5 GHz)
WACC-MHF4-SMAF-100-113	Antenna Connector Cable, MHF4-Female, SMA-Female Length = 100 mm, Diameter = 1.13 mm

6. Revision History

Revision	Revision Date	Originator	Changes
1.0	07/12/2017	Wi2Wi	Initial version Datasheet
1.1	10/13/2017	Wi2Wi	Added graphs
1.2	08/17/2021	Wi2Wi	Added Spec Information

Mouser Electronics

Authorized Distributor

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

Wi2Wi:

[WACC-MHF4-SMAF-100-113](#)