



CAB569RF: I-PEX MHF PLUG + SUS316 S/S SMA FEMALE STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + Ø1.13MM CABLE, 6GHz

SPECIFICATIONS :

1. I-PEX MHF PLUG, GOLD PLATED, P/N: 20278-112R-13.
2. Ø1.13MM COAXIAL CABLE, COLOR: GRAY.
3. SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS316 STAINLESS STEEL BODY, RATED TO IP67/68, P/N: RFCT-SMA122-F13 (WITH SILICONE O-RING), RFCT-SMA122-F13-1 (WITH EPDM O-RING).
4. WASHER: SUS316.
5. NUT: SUS316, PASSIVATED.

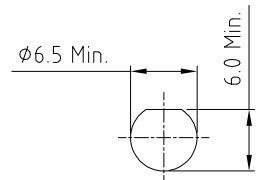
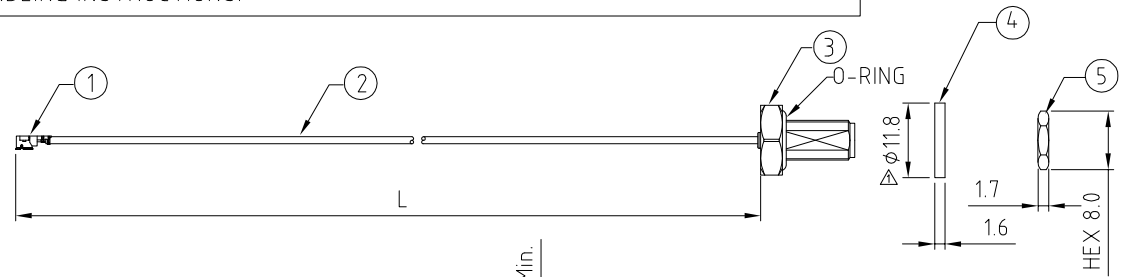
USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

ENVIRONMENTAL:

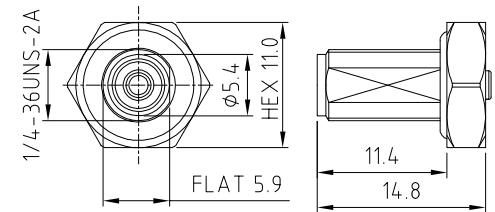
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA122-F13-1) TESTED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
 - ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
 - iii. IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000-10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.

NOTES:

1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 25MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz.
5. OPERATING TEMPERATURE: -40°C TO +85°C
6. IMPEDANCE: 50 OHM
7. IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A STAINLESS STEEL DUST CAP.
8. PLEASE USE THE RECOMMENDED TORQUE FORCES FOR STAINLESS STEEL CONNECTORS. THIS IS PUBLISHED ON GRADCONN.COM RESOURCES PAGE.



RECOMMENDED SMA MOUNTING HOLE



SMA JACK DETAIL DRAWING

HOW TO ORDER
 CAB569RF - X X X X - X X - X - 1 - X

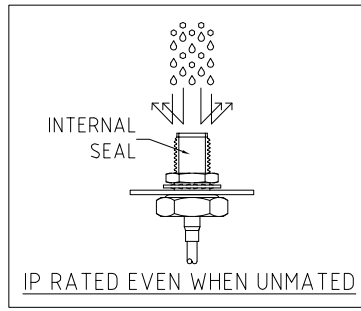
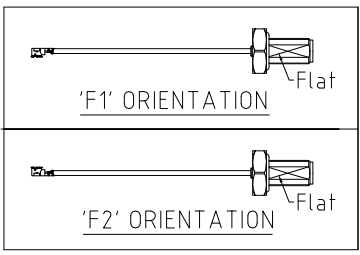
"L" LENGTH IN MM:
 eg: 100MM = 0100
 (MIN. 0050-MAX.0400)
 STANDARD = 0100, 0150, 0200)
 Tolerance: 50mm: ±2mm.
 51-200mm: ±5mm.
 201-400mm: ±7mm.

O-RING MATERIAL OPTIONS:
 S = SILICONE, RED
 E = EPDM, BLACK (STANDARD)

CABLE SIZE:
 1 = Ø1.13MM CABLE, COLOR: GRAY.

WASHER AND NUT OPTIONS:
 BLANK = SEPARATELY PACKED (STANDARD)
 A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = MHF CONNECTION DOWN (L=50-200MM)
 F2 = MHF CONNECTION UP (L=50-200MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



REV. DATE & DRN
10 24/04/23 - NYW RELEASE
11 28/04/23 - NYW AMEND FREQUENCY RANGE
12 22/05/23 - NYW SMA BODY DESIGN CHANGE TO Ø1.13MM
13 20/06/23 - NYW AMEND WASHER DIAMETER
14 02/08/23 - NYW UPDATE IP RATING TO 69K
15 18/07/23 - NYW ADD WASHER & NUT MATERIAL
16 03/02/24 - CC ADD IP RATING VIEW
17 04/03/24 - NYW ADD SILICONE O-RING OPTION

Scale: NTS	THIRD ANGLE	Unstated: .X	Tolerances: N/A
Drawn: CC		.XX	N/A
App'd: XXX	Title: CABLE ASSEMBLY	.XXX	N/A
Date: 4 MAR '24	Revision: 1.7	ANGLES	N/A
	Unit: mm		

IP Rated RF Products www.gradconn.com

© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

Drawing Number: CAB569RF	
Sheet 1	of 1
Drawing ©	E and O E