

CABLE 375 RF: I-PEX MHF + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE OPTIONS, 6GHz

SPECIFICATIONS :

1. I-PEX MHF PLUG, P/N:
20278-112R-08 (FOR $\phi 0.81$ MM CABLE)
20278-112R-13 (FOR $\phi 1.13$ MM CABLE)
20278-112R-18 (FOR RG178 CABLE)
2. COAXIAL CABLE, SEE P/N OPTIONS.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N:
FOR $\phi 0.81$ MM CABLE: RFCT-SMA108-F08.
FOR $\phi 1.13$ MM & RG178 CABLE: RFCT-SMA069-F78.

ENVIRONMENTAL:

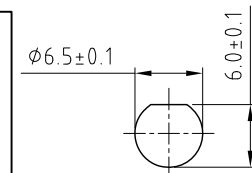
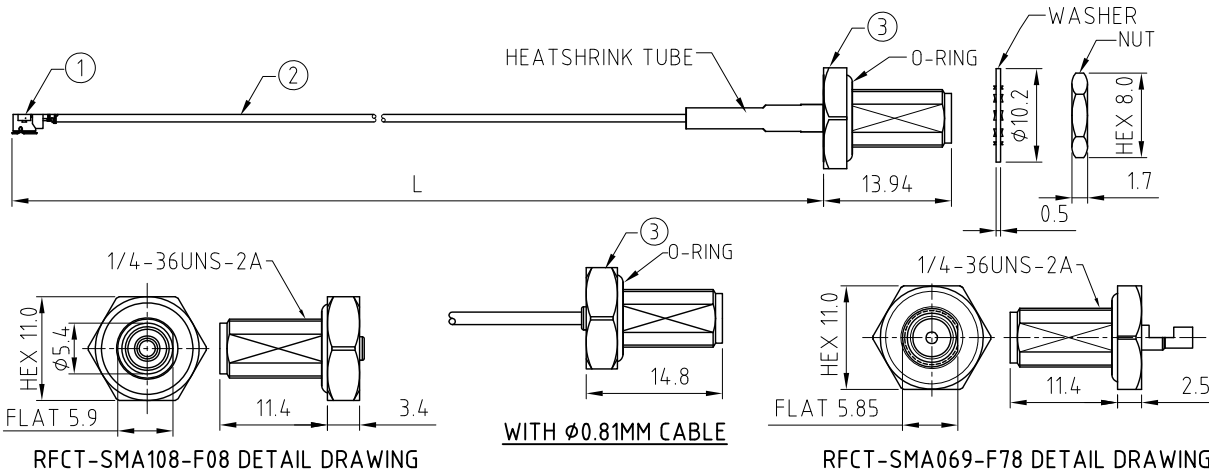
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA108-F08 & RFCT-SMA069-F78) RATED TO THE FOLLOWING SPECIFICATION:
 - i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
 - ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
 - iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.

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 50MM 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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.
6. IMPEDANCE: 50 Ohm.

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.

RECOMMENDED SMA
MOUNTING HOLE

RFCT-SMA108-F08 DETAIL DRAWING

RFCT-SMA069-F78 DETAIL DRAWING

HOW TO ORDER

CABLE 375 RF - X X X - X X - X - X

"L" LENGTH IN MM:
eg: 100MM = 100
(MIN. 050-MAX.400)
STANDARD = 100, 150, 200)
Tolerance: 50-200mm: ± 5 mm.
201-400mm: ± 7 mm.

CABLE SIZE OPTIONS:

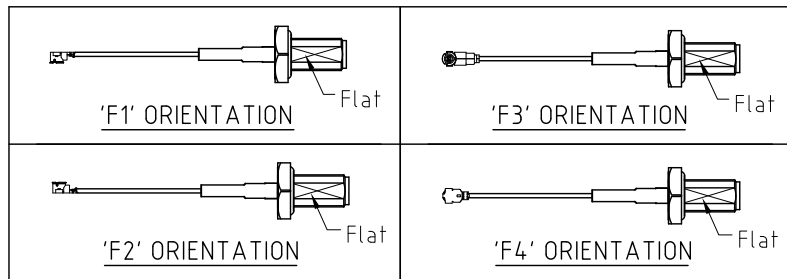
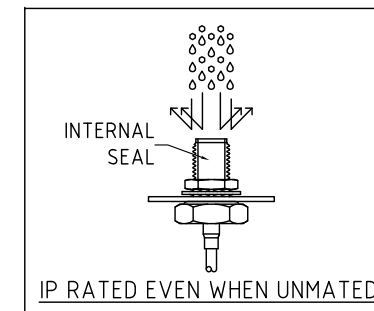
- 1 = $\phi 0.81$ MM CABLE, COLOR: GREY
- 2 = $\phi 1.13$ MM CABLE, COLOR: GREY
- 3 = RG178 CABLE, COLOR: BROWN

WASHER AND NUT OPTIONS:

- BLANK = SEPARATELY PACKED (STANDARD)
A = 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)
F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=50-200MM)
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=50-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



REV. DATE & DRN	10. 10/07/20 - NYW RELEASE
11. 06/02/20 - AJD	CABLE OPTION ADDED
12. 06/02/20 - NYW	ADD NOTE 7
13. 14/07/20 - NYW	REMOVE NOTE 7
14. 06/02/23 - NYW	ADD CABLE SIZE OPTION 3
15. 06/02/24 - NYW	ADD SMA P/N FOR 0.81 CABLE
16. 24/03/24 - CC	ADD IP RATING VIEW

Scale: NTS	THIRD ANGLE	Unstated Tolerances:
Drawn: CC		.X N/A .XX N/A .XXX N/A ANGLES N/A
App'd: XXX	Title CABLE ASSEMBLY	
Date: 24 MAR. '24	Revision: 1.6	Unit: mm

IP Rated RF Products
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