

## CAB443RF: I-PEX MHF + ISOLATED RP SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67 + RG178 CABLE, 6GHz

## SPECIFICATIONS :

1. I-PEX MHF PLUG, P/N: 20278-112R-18.
2. RG178 COAXIAL CABLE, COLOR: BROWN.
3. ISOLATED RP SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67, NICKEL PLATED, P/N: RFCT-SMA086-F78.

## ENVIRONMENTAL:

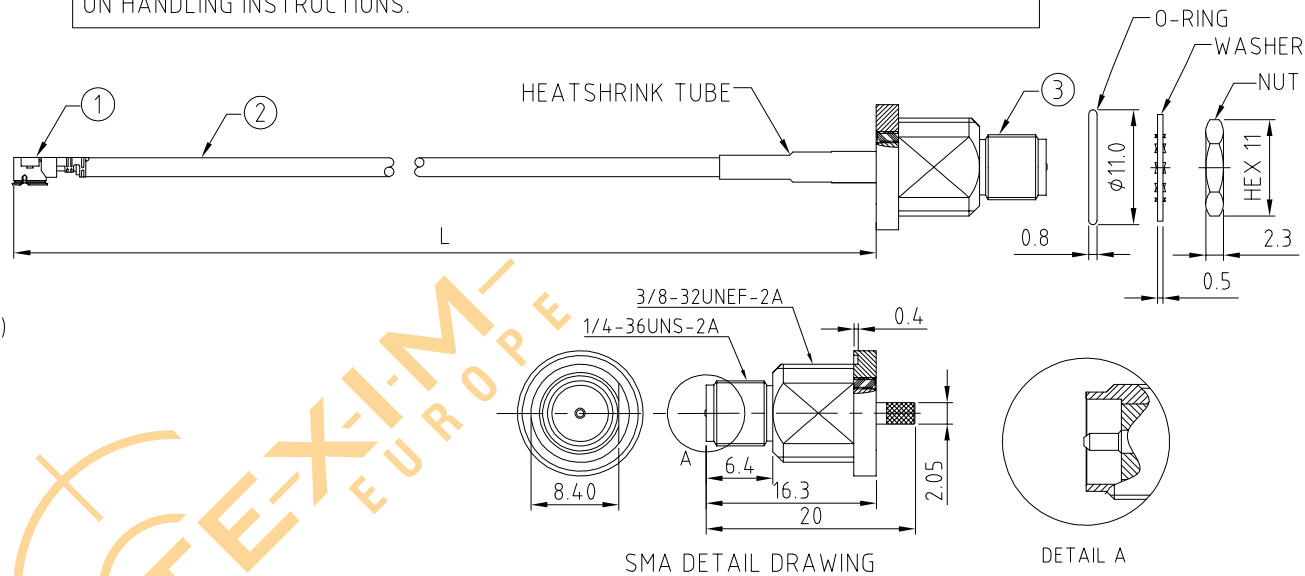
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA086-F78) RATED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
  - ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.

## 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 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 +80°C.
6. IMPEDANCE: 50 Ohm.
7. CARE SHOULD BE TAKEN NOT TO OVERTIGHTEN THE MATING CONNECTOR. OVERTIGHTENING RISKS COMPROMISING THE IP RATING OF THE CONNECTOR.

## 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.



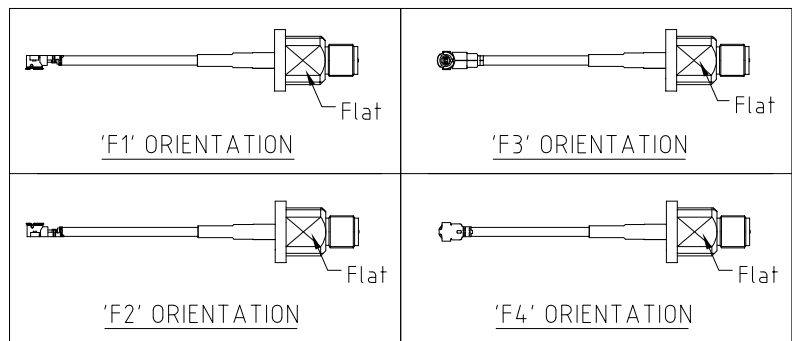
## HOW TO ORDER

CAB443RF - X X X X - X X - X - 1

"L" LENGTH IN MM:  
eg: 100MM = 0100  
(MIN. 0025-MAX.0400)  
STANDARD = 0100, 0150, 0200)  
Tolerance: <50mm: ±2mm  
50-200mm: ±5mm.  
201-400mm: ±7mm.

O-RING, 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=25-200MM)  
F2 = MHF CONNECTION UP (L=25-200MM)  
F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=25-200MM)  
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=25-200MM)  
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

RECOMMENDED SMA  
MOUNTING HOLE

REV.	DATE & DRN
11	19/07/21 - NYW RELEASE
12	12/07/21 - NYW ENVIRONMENTAL INFO.
13	12/07/21 - NYW SEPARATE O-RING FROM SMA.
14	18/05/22 - NYW REMOVE IPX8 RATING.
15	18/05/22 - NYW UPDATE WORKING FREQUENCY.

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Scale: NTS	THIRD ANGLE	Unstated X XX XXX ANGLES	Tolerances: N/A N/A N/A N/A
Drawn: NYW			
App'd: XXX	Title CABLE ASSEMBLY		
Date: 31 OCT. '22	Revision: 14	Unit: mm	



IP67 Rated Cables



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Drawing Number:	CAB443RF
Sheet 1	of 1
Drawing	E and O E

## **Disclaimer**

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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.



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