



CAB411RF: MMCX R/A PLUG + S/S SMA FEMALE STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + MULTIPLE CABLE SIZES

SPECIFICATIONS:

- MMCX RIGHT ANGLE PLUG, GOLD PLATED, P/N:
FOR RG178 CABLE: RFCT-MMCX003-M78
FOR ϕ 1.13 LOW LOSS CABLE: RFCT-MMCX002-M13.
- COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
- SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303 STAINLESS STEEL BODY, TESTED TO IP68/69K, P/N: RFCT-SMA061-F78 (WITH SILICON O-RING) OR RFCT-SMA061-F78-1 (WITH EPDM O-RING).

ENVIRONMENTAL:

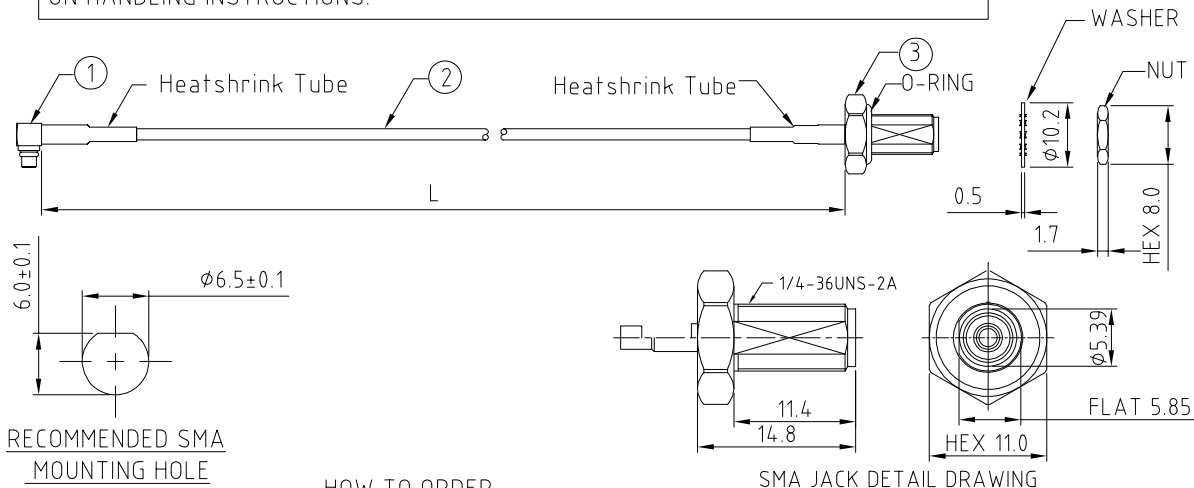
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA061-F78) TESTED TO THE FOLLOWING SPECIFICATION:
- IP6X - DUST TIGHT - NO PARTICLE INGRESS.
 - IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
 - IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000-10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.

NOTES:

- THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
- FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
- CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
- WORKING FREQUENCY RANGE: DC-3GHz.
- OPERATING TEMPERATURE: -40°C TO +125°C
- IMPEDANCE: 50 OHM
- IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A STAINLESS STEEL DUST CAP.
- PLEASE USE THE RECOMMENDED TORQUE FORCES FOR STAINLESS STEEL CONNECTORS. THIS IS PUBLISHED ON GRADCONN.COM RESOURCES PAGE.

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

- HANDLE WITH CARE.
- DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
- CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.



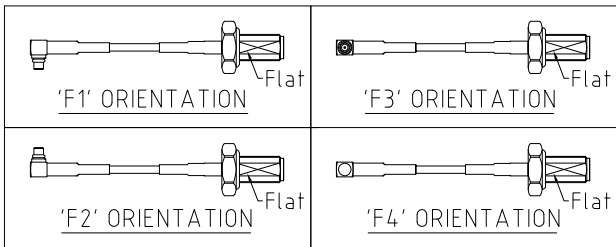
HOW TO ORDER
 CAB411RF - X X X X - X X - X - X - X

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

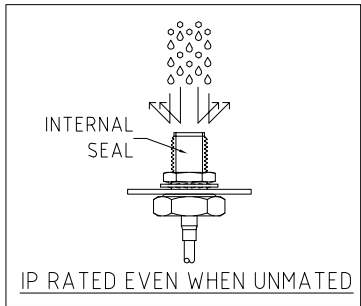
CABLE SIZE OPTIONS:
 1 = RG178 CABLE, COLOR: BROWN.
 2 = ϕ 1.13MM LOW LOSS CABLE, COLOR: GRAY.

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

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



ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = MMCX CONNECTION DOWN (L=50-200MM)
 F2 = MMCX CONNECTION UP (L=50-200MM)
 F3 = MMCX CONNECTION & SMA FLAT SAME ORIENTATION (L=50-200MM)
 F4 = MMCX CONNECTION & SMA FLAT OPPOSITE ORIENTATION (L=50-200MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



10	22/06/20 - N/W RELEASE
11	30/06/20 - N/W RELEASE
12	28/09/20 - N/W RELEASE
13	28/09/20 - N/W RELEASE
14	27/04/21 - N/W RELEASE
15	05/07/21 - N/W RELEASE
16	21/07/22 - N/W RELEASE
17	24/08/23 - N/W RELEASE
18	20/07/24 - N/W RELEASE
19	07/03/24 - N/W RELEASE

Scale: NTS	THIRD ANGLE	Unstated .X .XX .XXX ANGLES	Tolerances: ± 0.2 ± 0.2 ± 0.2 N/A
Drawn: CC			
App'd: XXX	Title: CABLE ASSEMBLY		
Date: 1 MAR. '24	Revision: 19	Unit: mm	

IP Rated RF Products www.gradconn.com

Drawing Number: CAB411RF	
Sheet 1	of 1
Drawing ©	E and O.E