

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

## SPECIFICATIONS :

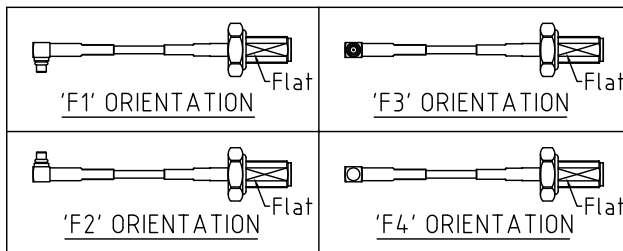
- MMCX RIGHT ANGLE PLUG, GOLD PLATED, P/N:  
FOR RG178 CABLE: RFCT-MMCX003-M78.  
FOR  $\phi 1.13$  LOW LOSS CABLE: RFCT-MMCX002-M13.
- COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
- SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303 STAINLESS STEEL BODY, TESTED TO IP68/69K, P/N: RFCT-SMA061-F78 (WITH SILICON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

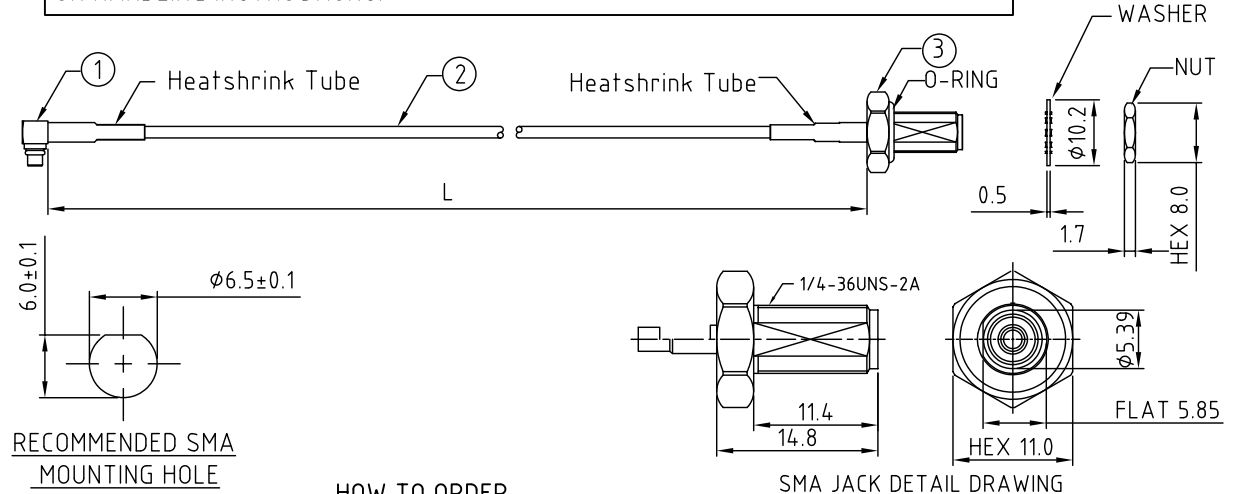
## NOTES:

- 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 GCT 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 GCT.CO 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.

RECOMMENDED SMA  
MOUNTING HOLE

SMA JACK DETAIL DRAWING

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: ±2mm.

51-200mm: ±5mm.

201-400mm: ±7mm.

CABLE SIZE OPTIONS:

1 = RG178 CABLE, COLOR: BROWN.

2 =  $\phi 1.13$ MM LOW LOSS CABLE, COLOR: GRAY.

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ALL ASSEMBLED WITH CONNECTOR

O-RING MATERIAL OPTIONS:

S = SILICON, RED

E = EPDM, BLACK (STANDARD)

ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION

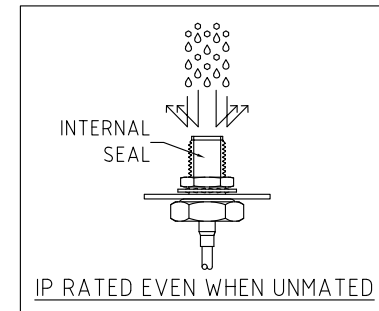
F1 = MMCX CONNECTION DOWN (L=50-200MM)

F2 = MMCX CONNECTION UP (L=50-200MM)

F3 = MMCX CONNECTION &amp; SMA FLAT SAME ORIENTATION (L=50-200MM)

F4 = MMCX CONNECTION &amp; SMA FLAT OPPOSITE ORIENTATION (L=50-200MM)

(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



REV. DATE & DSN	10. 22/06/20 - NYW RELEASE
11. 20/06/20 - NYW RELEASE	12. 20/06/20 - NYW RELEASE
13. 23/11/20 - NYW	14. 23/11/20 - NYW
15. 05/07/21 - NYW	16. 21/07/22 - NYW
17. 05/07/21 - NYW	18. 20/01/24 - CC
19. 01/03/24 - NYW	20. 16/02/25 - CC
21. 16/02/25 - CC	

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: 16 FEB. '25	Revision: 2.0	Unit: mm	

IP Rated  
RF Products

www.gct.co

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Drawing Number:

CAB411RF

Sheet 1 of 1

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