

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

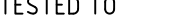
RoHS
Compliant

CAB493RF: I-PEX MHF I PLUG + FRONT MOUNT S/S SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + MULTIPLE CABLE SIZES, 6GHz

SPECIFICATIONS :

1. I-PEX MHF I PLUG, GOLD PLATED, P/N:
FOR RG178 CABLE: 20278-112R-18.
FOR Ø1.13MM LL CABLE: 20278-112R-13.
2. COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
3. FRONT MOUNT SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303
STAINLESS STEEL BODY, RATED TO IP68/69K, P/N: RFCT-SMA095-F78 (WITH
SILICONE O-RING) OR RFCT-SMA095-F78-1 (WITH EPDM O-RING).

ENVIRONMENTAL:

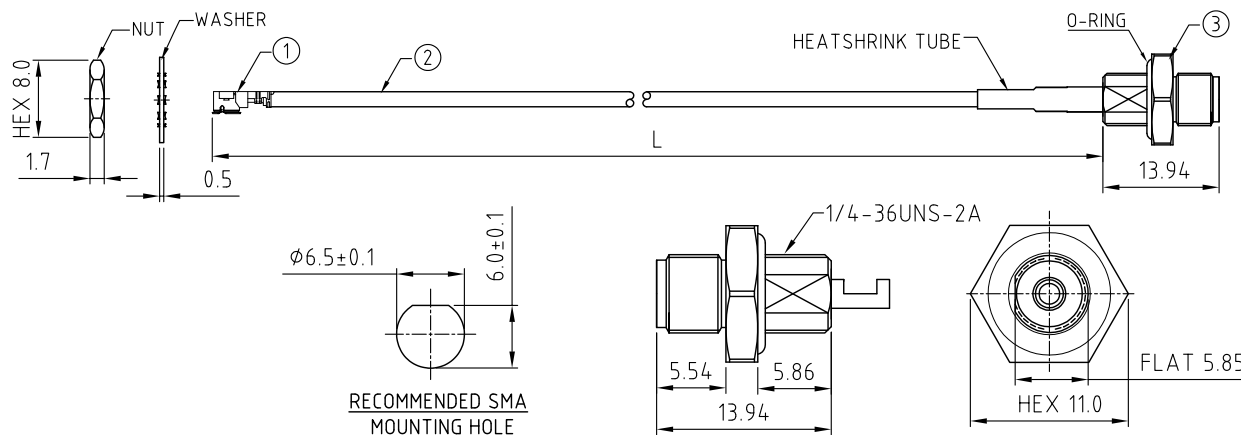
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA095-F78) TESTED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
 - ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
 - iii. IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000-10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.
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- Technical drawing of a hexagonal connector. The drawing shows a cross-section of a hexagonal nut or washer. The outer hexagonal shape is labeled with a dimension of 8.0, indicating the width across flats. A smaller dimension of 1.7 is shown for the central circular hole, indicating its diameter. The drawing is a simple line sketch with no shading.

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 GCT 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 GCT.CO RESOURCES PAGE.

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.



SMA JACK DETAIL DRAWING

HOW TO ORDER

CAB493RF - X X X X - X X - X - X - X

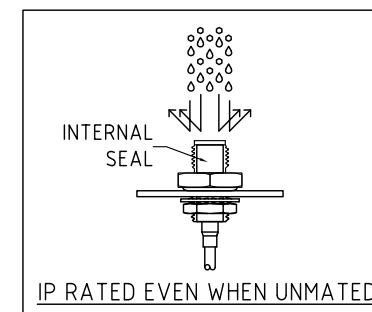
"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0025-MAX.0400
STANDARD = 0100, 0150, 0200)
Tolerance: 50mm: ± 2 mm.
51-200mm: ± 5 mm.
201-400mm: ± 7 mm.

CABLE SIZE OPTIONS: E = EPDM, BLA
1 = RG178 CABLE, COLOR: BROWN.
2 = Ø1.13MM LOW LOSS CABLE. COLOR: GRAY

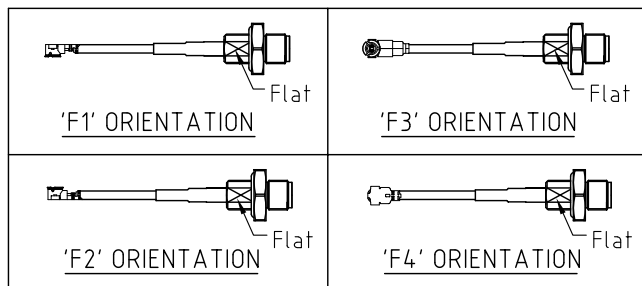
O-RING MATERIAL OPTIONS:
S = SILICONE, RED
E = EPDM, BLACK (STANDARD)


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

ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = 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)



IP RATED EVEN WHEN UNMATED



Scale: NTS	THIRD ANGLE	Unstated X XX XXX ANGLES	Tolerances: N/A N/A N/A N/A
Drawn: CC			
App'd: XXX	Title CABLE ASSEMBLY		
Date: 16 Feb. '25	Revision: 1.6	Unit: mm	

IP Rated
RF Products



www.gct.co

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Drawing Number:

CAB493RF

Sheet 1 of 1

Drawing (C)	E and O E
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