

CAB460RF: I-PEX MHF 4L PLUG + FRONT MOUNT SMA S/T BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES, 6GHz

SPECIFICATIONS :

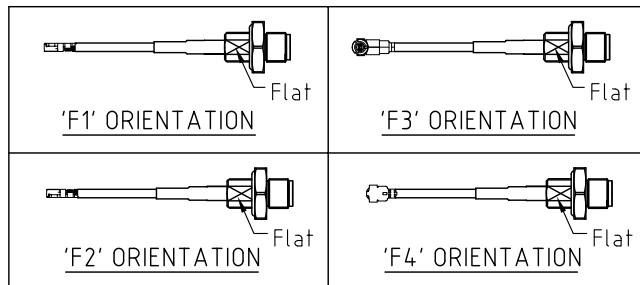
1. I-PEX MHF 4L PLUG, P/N:
FOR $\phi 1.13\text{MM}$ CABLE: 20565-001R-13.
FOR $\phi 1.37\text{MM}$ (LL) CABLE: 20632-001R-37.
2. COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL.
3. FRONT MOUNT SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA087-F78.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA087-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.

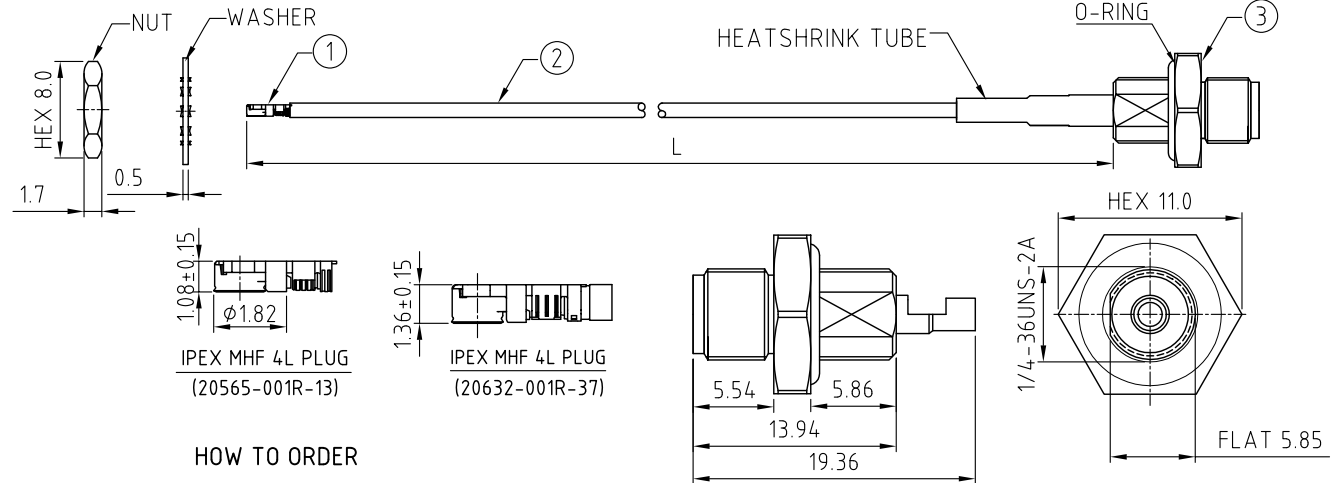
NOTES:

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 GCT 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.
7. IT IS INTENDED THAT MOUNTING OF THIS CONNECTOR IS ACHIEVED USING THE NUT AND WASHER PROVIDED. PLEASE CONTACT GCT FOR ADVISE IF PLANNING TO USE A DIFFERENT METHOD OF MOUNTING.



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

CAB460RF - X X X X - X X - X - X

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0050-MAX.0400
STANDARD = 0100, 0150, 0200)
Tolerance: 50-200mm: $\pm 5\text{mm}$.
201-400mm: $\pm 7\text{mm}$.

CABLE SIZE OPTIONS:

- 1 = $\phi 1.13\text{MM}$ CABLE, COLOR: BLACK
- 2 = $\phi 1.37\text{MM}$ LOW LOSS CABLE, COLOR: BLACK
- 3 = $\phi 1.37\text{MM}$ CABLE, COLOR: BLACK

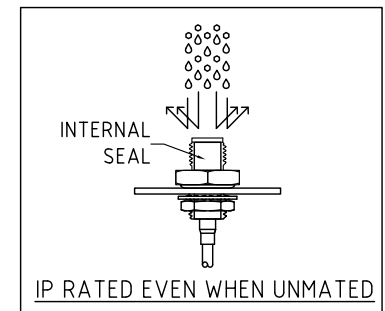
WASHER AND NUT OPTIONS:

- BLANK = SEPARATELY PACKED (STANDARD)
A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:

- BLANK = DOES NOT HAVE A FIXED ORIENTATION
F1 = MHF CONNECTION DOWN (L=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)

SMA DETAIL DRAWING



REV. DATE & DWN	13 29/04/21 - NTV RELEASE
11 30/06/21 - NTV	ADD CABLE SIZE OPTION 2.
12 01/07/21 - NTV	ADD CABLE SIZE OPTION 3.
13 24/07/21 - NTV	ADD CABLE SIZE OPTION 3.
14 28/07/21 - CC	ADD IP RATING VIEW
15 16/02/25 - CC	ADD GCT logo.

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: 1.5	Unit: mm	

IP Rated RF Products
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www.gct.co	www.gradconn.com

Drawing Number: CAB460RF
Sheet 1 of 1
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