CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB570RF: HIROSE U.FL PLUG + SUS316 S/S SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + Ø1.13MM CABLE, 6GHz

SPECIFICATIONS:

- 1. HIROSE U.FL PLUG, P/N: U.FL-LP-068HF...
- 2. Ø1.13MM COAXIAL CABLE, COLOR: GRAY.
- 3. SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS316 STAINLESS STEEL BODY, RATED TO IP67/68, P/N: RFCT-SMA122-F13 (WITH SILICONE O-RING), RFCT-SMA122-F13-1 (WITH EPDM O-RING).
- 4. WASHER: SUS316.
- 5. NUT: SUS316, PASSIVATED.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA122-F13-1) 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.

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.

"L" LENGTH İN MM:

(MIN. 0050-MAX.0400

Tolerance: 50mm: ±2mm.

STANDARD = 0100, 0150, 0200)

51-200mm: ±5mm.

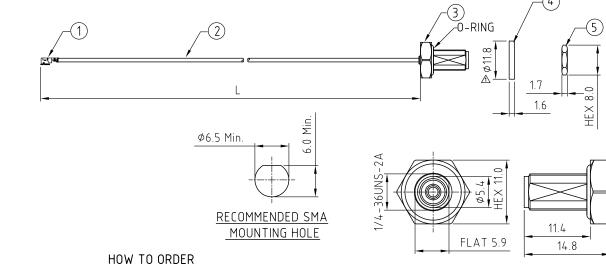
201-400mm: ±7mm.

eg: 100MM = 0100

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.



HOW TO ORDER

CAB570RF - X X X X - X - X - 1 - X

SMA JACK DETAIL DRAWING

O-RİNG MATERIAL OPTIONS:
S = SILICONE, RED

CABLE SIZE: E = EPDM, BLACK (STANDARD)

1 = ϕ 1.13MM CABLE, COLOR: GRAY.

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

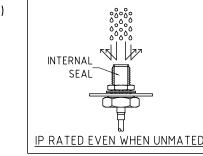
A = ALL ASSEMBLED WITH CONNECTOR

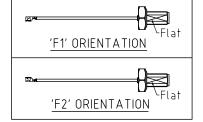
ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION

F1 = U.FL CONNECTION DOWN (L=50-200MM) F2 = U.FL CONNECTION UP (L=50-200MM)

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





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REV. DATE & DRN	1.0 24/04/'23 - NYW RELEASE	1.1 28/04/'23 - NYW AMEND FREQUENCY RANGE.	1.2 22/05/'23 - NYW SMA BODY DESIGN CHANGE TO TIP TO FLAT.	1.3 10/07/'23 - NYW A AMEND WASHER DIAMETER.	1.4 02/08/"23 - NYW UPDATE IP RATING TO 69K.	15 18/10/'23 - NYW ADD WASHER & NUT MATERIAL.	1.6 03/02/"24 - CC ADD IP RATING VIEW	1.7 01/03/'24 - NYW ADD SILICONE O-RING OPTION.	1.8 22/02/"25 - CC Add GCT logo.

Scale: NTS		THIRD ANGLE	Unstated .X .XX	Tolerances: N/A N/A			
Drawn:	СС	→ →	- XXX ANGLES	N/A N/A			
App'd:	XXX	Title CABLE ASSEMBLY					
Date: 22	Feb. '25	Revision: 1.8	Unit: m				

IP Rated RF Products



Drawing Number:

CAB570RF

www.gct.co www.gradconn.com

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Sheet 1 of 1

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