

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB574RF: I-PEX MHF I PLUG + S/S SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + Ø1.13MM CABLE, 6GHz

SPECIFICATIONS :

- I-PEX MHF I PLUG, GOLD PLATED, P/N: 20278-112R-13.
- Ø1.13MM COAXIAL CABLE, COLOR: GRAY.
- SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303 STAINLESS STEEL BODY, RATED TO IP68/69K, P/N: RFCT-SMA123-F13 (WITH SILICONE O-RING), RFCT-SMA123-F13-1 (WITH EPDM O-RING).
- WASHER: SUS304.
- NUT: SUS303, PASSIVATED.

ENVIRONMENTAL:

A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA123-F13-1) 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-6GHz.
- OPERATING TEMPERATURE: -40°C TO +85°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:

(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.

RECOMMENDED SMA MOUNTING HOLE

HOW TO ORDER

CAB574RF - X X X X - X X - X - 1 - X

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

CABLE SIZE:
1 = Ø1.13MM 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= 50-200MM)
F2 = MHF CONNECTION UP (L=50-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

SMA JACK DETAIL DRAWING

INTERNAL SEAL

IP RATED EVEN WHEN UNMATED

REV. DATE & DSN

10 27/06/73 - NYW RELEASE

11 26/07/73 - NYW MATERIAL

12 20/07/73 - NYW MATERIAL

13 03/02/74 - CC

14 07/03/74 - NYW

15 22/02/75 - CC

Add GCT logo.

Scale: NTS

Drawn: CC

App'd: XXX

Date: 22 Feb. '25

THIRD ANGLE

Unstated

Tolerances:

Unit: mm

IP Rated RF Products

GCT GradConn

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Drawing Number:

CAB574RF

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