

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:

- 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

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: .X, .XX, .XXX ANGLES

Tolerances: N/A, N/A, N/A, N/A

Title: CABLE ASSEMBLY

Revision: 1.5

Unit: mm

IP Rated RF Products

GCT GradConn

www.gct.co

www.gradconn.com

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Sheet 1 of 1

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Mouser Electronics

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