

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB431RF: I-PEX MHF 5L PLUG + SMA STRAIGHT BULKHEAD JACK + 1.13MM CABLE, 6GHz

SPECIFICATIONS :

1. I-PEX MHF 5L PLUG, P/N:20668-001R-13.

2. 1.13MM COAXIAL CABLE, COLOR: GRAY.

3. SMA STRAIGHT BULKHEAD JACK, P/N: RFCT-SMA047-F13.

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°C~+85°C.

6. IMPEDANCE: 50 Ohm.

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.

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HEATSHRINK TUBE

L

14.8

WASHER

NUT

φ10.2

HEX 8.0

1.7

0.5

103

3.55

I-PEX MHF 5L PLUG

FLAT 5.9

1/4-36UNS-2A

11.4

14.8

HEX 8.0

SMA DETAIL DRAWING

'F1' ORIENTATION

Flat

'F3' ORIENTATION

Flat

'F2' ORIENTATION

Flat

'F4' ORIENTATION

Flat

HOW TO ORDER

CAB431RF - X X X X - X X - X - 1

"L" LENGTH IN MM:  
eg: 100MM = 0100  
(MIN. 0050-MAX.0400  
STANDARD = 0100, 0150, 0200)  
TOLERANCE: 50-200mm: ±5mm.  
201-400mm: ±7mm.

CABLE SIZE:  
1 = φ1.13MM CABLE, COLOR: GRAY  
WASHER AND NUT OPTIONS:  
BLANK = SEPARATELY PACKED (STANDARD)  
A = 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)

6.0±0.1

φ6.5±0.1

RECOMMENDED SMA MOUNTING HOLE

REV. DATE & DRN

10 16/09/20 - NYW RELEASE

11 16/02/25 - CC

Add GCT logo.

Scale: NTS

Drawn: CC

App'd: XXX

Date: 16 FEB. '25

THIRD ANGLE

Title CABLE ASSEMBLY

Revision: 1.1

Unit: mm

Unstated: .X  
.XX  
.XXX  
ANGLES

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

GCT GradConn

www.gct.co

www.gradconn.com

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Drawing Number: CAB431RF

Sheet 1 of 1

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