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COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

CAB530RF: I-PEX MHF 4L + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + Φ1.37MM LOW LOSS CABLE, 8GHz

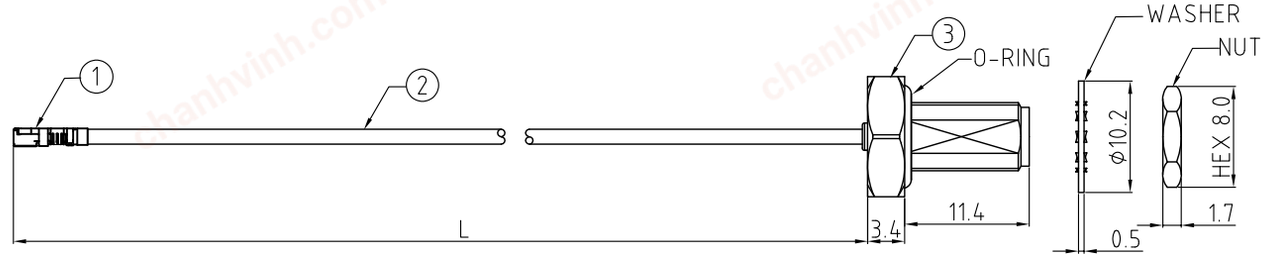
RoHS Compliant

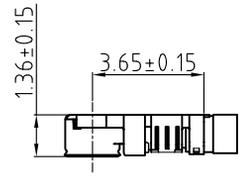
SPECIFICATIONS :
1. I-PEX MHF4L PLUG, P/N: 20632-001R-37.
2. Φ1.37MM LOW LOSS COAXIAL CABLE, COLOR: BLACK.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA108-F37.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA108-F37) 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.

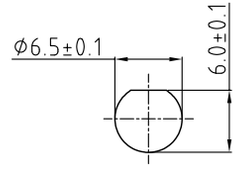
NOTES:
1. WORKING FREQUENCY RANGE: DC-8GHz.
2. OPERATING TEMPERATURE: -40°C TO +85°C.
3. IMPEDANCE: 50 Ohm.

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.

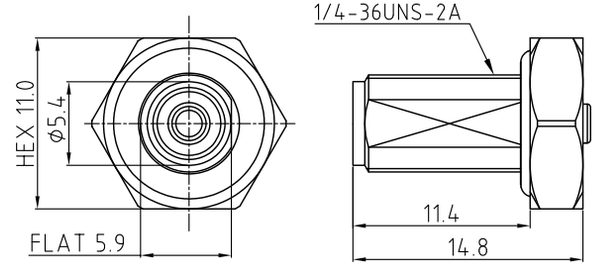




I-PEX 4L DETAIL DRAWING



RECOMMENDED SMA MOUNTING HOLE



SMA JACK DETAIL DRAWING

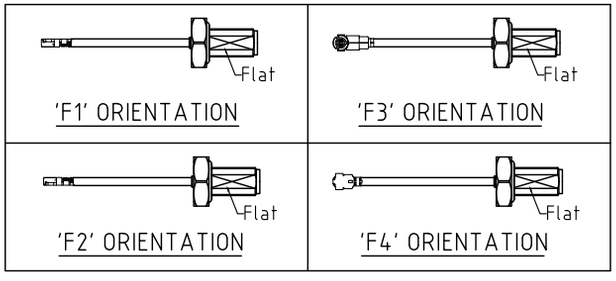
HOW TO ORDER

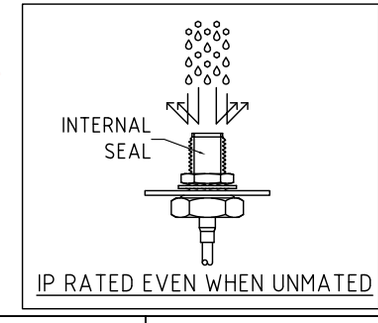
CAB530RF - X X X X - X X - X - 1

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

WASHER AND NUT OPTIONS:
BLANK = SEPERATELY 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)





REV.	DATE & DRN	
1.0	30/09/'22 - NYW	RELEASE
1.1	22/05/'23 - NYW	SMA BODY DESIGN CHANGE TO TIP TO FLAT.
1.2	03/02/'24 - CC	ADD IP RATING VIEW
1.3	22/02/'25 - CC	Add GCT logo.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A, .XX N/A, .XXX N/A, ANGLES N/A	IP Rated RF Products
Drawn: CC			
App'd: XXX	Title CABLE ASSEMBLY		
Date: 22 Feb. '25	Revision: 1.3	Unit: mm	

GCT GradConn
www.gct.co www.gradconn.com

Drawing Number: CAB530RF

Sheet 1 of 1

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