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COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

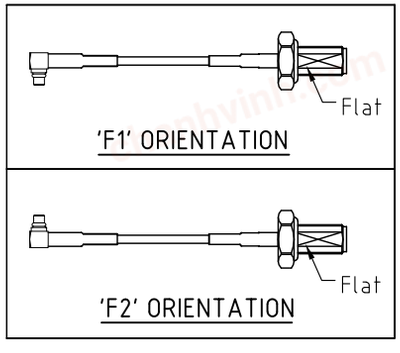
RoHS Compliant

CABLE 196 RF: RF CABLE ASSEMBLY, MMCX R/A PLUG + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

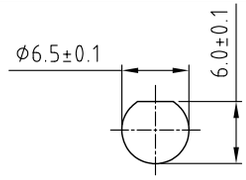
SPECIFICATIONS :
1. MMCX RIGHT ANGLE PLUG, P/N:
   FOR RG178, Ø1.37MM CABLES: RFCT-MMCX003-M78.
   FOR Ø1.13MM LL, Ø1.13MM CABLES: RFCT-MMCX002-M13.
   FOR RG316 CABLE: RFCT-MMCX004-M74.
2. COAXIAL CABLE, SEE P/N FOR DETAIL.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: FOR Ø1.13~RG178CABLE: RFCT-SMA002-F78. FOR RG316 CABLE: RFCT-SMA002-F74.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-Fxx) TESTED 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.
   iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
   v. PRESSURE TEST - 1 BAR FOR 10 SECONDS.

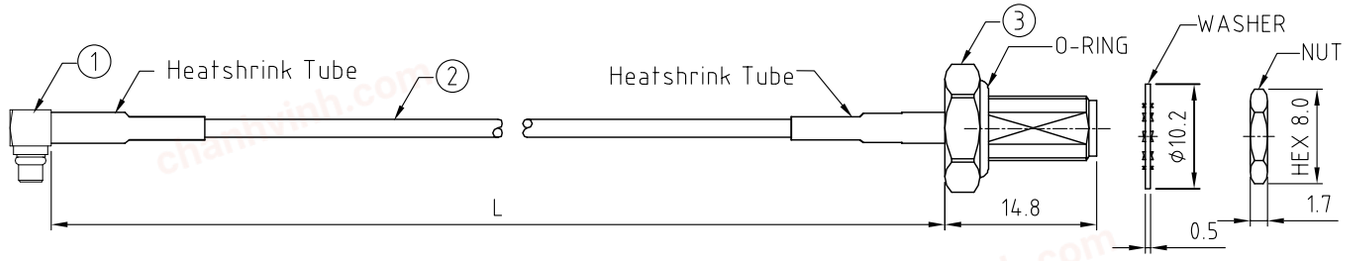
NOTES:
1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-3GHz.
5. OPERATING TEMPERATURE: -40°C~+125°C.

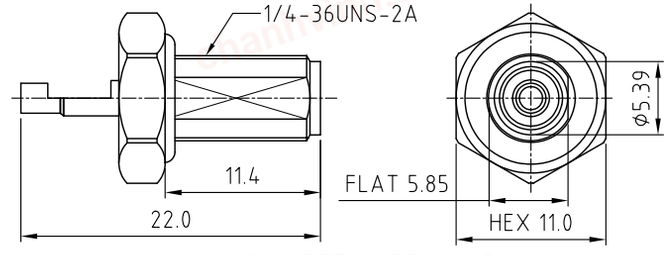


USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
(i) HANDLE WITH CARE.
(ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
(iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.



RECOMMENDED SMA MOUNTING HOLE





SMA DETAIL DRAWING

HOW TO ORDER

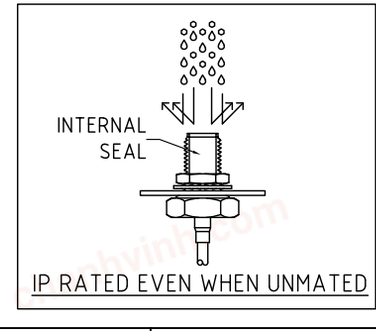
CABLE 196 RF - X X X X - X X - X - X

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0050-MAX.2000
STANDARD = 0100, 0150, 0200)
Tolerance: <50mm: ±2mm.
51-200mm: ±5mm.
201-500mm: ±7mm.
>501mm: ±10mm.

ORIENTATION OPTIONS:
BLANK = DOES NOT HAVE A FIXED ORIENTATION
F1 = MMCX CONNECTION DOWN (L=50-200MM)
F2 = MMCX CONNECTION UP (L=50-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

WASHER AND NUT OPTIONS:
BLANK = SEPARATELY PACKED (STANDARD)
A = ALL ASSEMBLED WITH CONNECTOR

CABLE SIZE OPTIONS:
1 = RG178 CABLE, COLOR: BROWN.
2 = Ø1.13MM LOW LOSS CABLE, COLOR: GRAY.
3 = Ø1.37MM CABLE, COLOR: BLACK.
4 = Ø1.13MM CABLE, COLOR: GRAY.
5 = RG316 CABLE, COLOR: BROWN.



REV.	DATE & DRN	
1.0	19/01/'15 - NYW	RELEASE
1.1	23/07/'15 - NYW	UPDATE SMA PART NUMBER.
1.2	29/10/'15 - NYW	ADD IP67/68 RATING INFO.
1.3	19/12/'17 - NYW	ADD 1.13 LL CABLE OPTION.
1.4	02/04/'18 - NYW	UPDATE MMCX P/N FOR RG178 CABLE.
1.5	21/05/'18 - NYW	ADD CABLE SIZE 3 OPTION.
1.6	30/01/'19 - NYW	ADD CABLE SIZE 4 OPTION.
1.7	24/05/'19 - NYW	ADD OPERATING TEMP.
1.8	24/01/'22 - NYW	ADD CABLE OPTION 5.
1.9	03/03/'24 - CC	ADD IP RATING VIEW
2.0	16/02/'25 - KY	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: KY			
App'd: XXX	Title CABLE ASSEMBLY		
Date: 16 FEB. '25	Revision: 2.0	Unit: mm	

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

Type: Cable 196 RF
CABLE 196 RF
Drawing Number:
Sheet 1 of 1
Drawing © E and O E

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