CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CABLE 305 RF: RF CABLE ASSEMBLY, SMA R/A PLUG + SMA STRAIGHT BULKHEAD JACK WITH 0-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

SPECIFICATIONS:

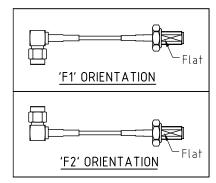
- 1. SMA RIGHT ANGLE PLUG, P/N FOR RG178 CABLE: RFCT-SMA025-M78, P/N FOR Ø1.37MM CABLE: RFCT-SMA044-M37. P/N FOR Ø1.13MM LL CABLE: RFCT-SMA070-M13.
- 2. COAXIAL CABLE, SEE P/N FOR DETAIL.
- 3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68. P/N: RECT-SMA002-F78

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-F78) 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.

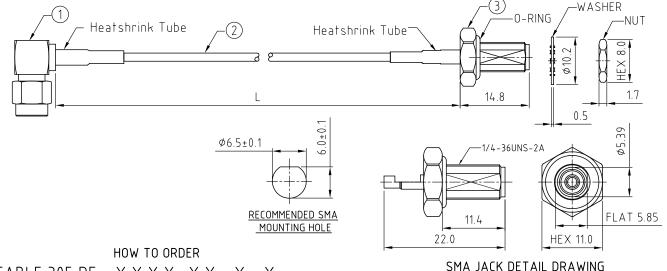
NOTES:

- 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.
- 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.



CABLE 305 RF - X X X X - X X - X - X

"L" LENGTH IN MM: eq: 100MM = 0100(MIN. 0050-MAX.2000 STANDARD = 0100, 0150, 0200) Tolerance: <50mm: ±2mm. 51-200mm: ±5mm.

201-500mm: ±7mm. >501mm: ±10mm.

CABLE SIZE OPTIONS:

1 = RG178 CABLE, COLOR: BROWN. $2 = \phi 1.37MM$ CABLE, COLOR: BLACK.

 $3 = \phi 1.13MM LOW LOSS CABLE, COLOR: GRAY.$

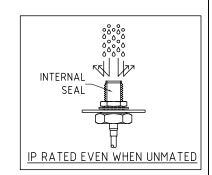
WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD) A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:

BLANK = DOES NOT HAVE A FIXED ORIENTATION F1 = SMA PLUG CONNECTION DOWN (L=50-200MM) F2 = SMA PLUG CONNECTION UP (L=50-200MM)

(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



V. DATE & DRN	02/04/"18 - NYW RELE!	17/05/'18 - NYW ADD CABLE OPTION 2.	31/07/*19 - NYW ADD NOTES 5 & 6.	15/01/'20 - NYW ADD CABLE SIZE 3 OPTIO	24/07/'20 - NYW AMEND OPERATING TEMP	10/03/'24 - CC	ADD IF KALING VIEW	16/02/"25 - KY	Add GCT logo.
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Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A .XX N/A		
Drawn: KY	ф ф	.XXX N/A ANGLES N/A		
App'd: XXX	Title CABLE ASSEMBLY			
Date: 16 FEB. '25	Revision: 1.6	Unit: mm		

IP Rated RF Products



CABLE 305 RF

Drawing Number:

Sheet 1 of 1 Drawing (C) E and 0 E

Type: Cable 305 RF

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