COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

CABLE 234 RF: RP SMA STRAIGHT PLUG + RP SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

RoHS Compliant

SPECIFICATIONS :

1. RP SMA STRAIGHT PLUG, P/N:
   FOR RG178 CABLE: RFCT-SMA017-M78.
   FOR ⌀1.13MM CABLE: RFCT-SMA042-M13.
   FOR RG316 CABLE: RFCT-SMA017-M74.
2. COAXIAL CABLE, SEE P/N FOR DETAIL.
3. RP SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP67/68, P/N:
   FOR ⌀1.13MM~RG178 CABLE: RFCT-SMA008-F78.
   FOR RG316 CABLE: RFCT-SMA008-F74.

ENVIRONMENTAL:

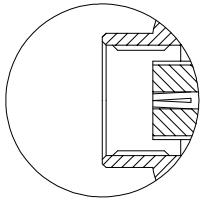
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA008-Fxx) TESTED TO THE FOLLOWING SPECIFICATION:
   i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
   ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
   iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
   iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
   v. PRESSURE TEST - 1 BAR FOR 10 SECONDS.

NOTES:

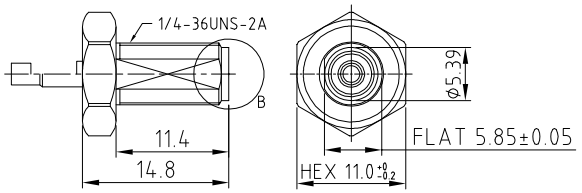
1. WORKING FREQUENCY RANGE: DC-3GHz.
2. OPERATING TEMPERATURE: -40°C~+125°C
3. IMPEDANCE: 50 OHM.

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.

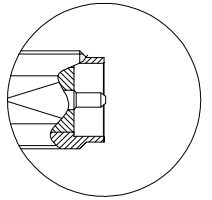




DETAIL A



SMA JACK DETAIL DRAWING



DETAIL B

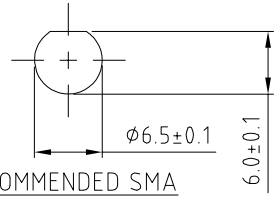
HOW TO ORDER

CABLE 234 RF - 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.

CABLE SIZE OPTIONS:
1 = RG178 CABLE, COLOR: BROWN.
2 = ⌀1.13MM CABLE, COLOR: GRAY.
3 = RG316 CABLE, COLOR: BROWN.

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



RECOMMENDED SMA MOUNTING HOLE

REV.	DATE & DRN	
1.0	26/05/'16 - RJH	RELEASE
1.1	20/12/'17 - NYW	ADD 113 CABLE OPTION.
1.2	28/11/'18 - NYW	ADD SMA JACK DETAIL DRAWING
1.3	27/05/'19 - NYW	ADD OPERATING TEMP.
1.4	02/09/'21 - NYW	ADD IMPEDANCE.
1.5	19/01/'22 - NYW	ADD CABLE SIZE 3 OPTION. AMEND OPERATING TEMP.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A, .XX N/A, .XXX N/A, ANGLES N/A	Type: Cable 234 RF
Drawn: RJH			CABLE 234 RF
App'd: XXX	Title CABLE ASSEMBLY		Drawing Number:
Date: 19 JAN. '22	Revision: 1.5	Unit: mm	Sheet 1 of 1

NAUTILUS IP67/68 Rated Cables

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