

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB435RF: MMCX STRAIGHT PLUG + ISOLATED TNC BULKHEAD JACK WITH O-RING RATED TO IP67 + RG178 CABLE, 6GHz

SPECIFICATIONS :

1. MMCX STRAIGHT PLUG, P/N: RFCT-MMCX006-M78.

2. RG178 COAXIAL CABLE, COLOR: BROWN.

3. ISOLATED TNC STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67, P/N: RFCT-TNC016-F78.

ENVIRONMENTAL:

A. BULKHEAD MOUNTED CONNECTOR (RFCT-TNC016-F78) RATED TO THE FOLLOWING SPECIFICATION:

i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.

ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.

NOTES:

1. WORKING FREQUENCY RANGE: DC-6GHz.

2. OPERATING TEMPERATURE: -40°C~+125°C.

3. IMPEDANCE: 50 Ohm.

4. CARE SHOULD BE TAKEN NOT TO OVERTIGHTEN THE MATING CONNECTOR. OVERTIGHTENING RISKS COMPROMISING THE IP RATING OF THE CONNECTOR.

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.

HEATSHRINK TUBE

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O-RING

WASHER

NUT

HEX 16.0

2.5

1/2-28UNEF-2B

1

2

3

L

Ø16.0±0.2

1/2-28UNEF-2A

Isolated Ground

7/16-28UNEF-2A

11.78

19.6

25.65

2.05

12.1

12.9

RECOMMENDED MOUNTING HOLE

MAX. PANEL THICKNESS: 4MM

TOLERANCE: ±0.1

INTERNAL SEAL

IP RATED EVEN WHEN UNMATED

HOW TO ORDER

CAB435RF - 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 = RG178 CABLE, COLOR: BROWN

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ASSEMBLED WITH CONNECTOR

TNC DETAIL DRAWING

REV. DATE & DRN

10 10/09/20 - NYW RELEASE

11 10/09/20 - NYW RELEASE

12 16/11/20 - NYW RELEASE

13 17/05/22 - NYW RELEASE

14 20/07/24 - CC

15 16/02/25 - CC

ADD GCT logo.

Scale: NTS

Drawn: CC

App'd: XXX

Date: 16 FEB. '25

THIRD ANGLE

Unstated

.X

.XX

.XXX

ANGLES

Tolerances:

N/A

N/A

N/A

N/A

IP Rated RF Products

GCT

www.gct.co

GradConn

www.gradconn.com

Drawing Number:

CAB435RF

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