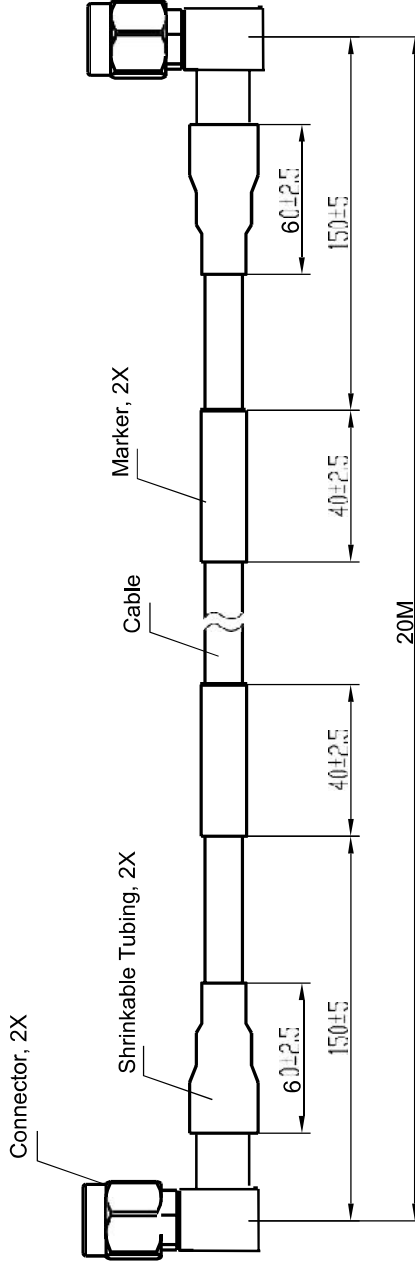


Revision	Description	ECN No.	Date
A	Initial Release	N/A	2021-6-28

CABLE ASSEMBLY

P/N:RNB24Y-05-05-20PM



SPECIFICATIONS

1. ELECTRICAL

- 1.1 Impedance: 50Ω
- 1.2 Frequency Range: DC~26.5GHz
- 1.3 Dielectric Withstanding Voltage: 1000V (DC)
- 1.4 Insulation Resistance: 1000MΩ
- 1.5 Insertion Loss: 31.5dB@26.5GHz max.
- 1.6 VSWR: 1.30:1@26.5GHz max
- 1.7 Phase Matching: ±2.5°@1GHz max.
- 1.8 Power: 500W Min at 1 GHz
- 1.9 Shielding Efficiency: 110 dB Min at 1 GHz
- 1.10 Velocity of propagation: 70% Min

2. MECHANICAL

- 2.1 Min. Bending Radius, Static: 20mm
- 2.2 Min. Bending Radius, Repeated: 40mm
- 2.3 Durability: 1000 cycles min.

3. MATERIAL

- 3.1 Cable : B24Y, Low Loss Phase Stable Flexible Cable, Gray, φ4.9mm
- 3.2 Connector: SMA RA Male
- 3.2.1 Contact: Brass, Gold Plated
- 3.2.2 Insulator: PTFE
- 3.2.3 Body: Stainless Steel, Passivated
- 3.2.4 Coupling Nut: Stainless Steel, Passivated
- 3.3 Shrinkable Tubing: Black, EVA, φ9.5mm
- 3.4 Marker: Black, EVA, φ9.5mm

Content:

- Line 1: RN MICROWAVE
- Line 2: PART NUMBER/SERIAL NUMBER

4. ENVIRONMENTAL

- 4.1 2011/65/EU RoHS: Compliant
- 4.2 Temperature Range: -55°C~+85 °C

OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS,
AND TOLERANCES ARE:

DECIMALS: LENGTH:
L < 1M: 0/+5mm
X.XX: ±0.1
X.XXX: ±0.05
L ≥ 1M: 0/+1%

DRAWN: CZB DATE: 2021.6.28

REVIEWED: EA DATE:

APPROVED: RM DATE:

REFERENCE:
FILE PATH:

DESCRIPTION: 26.5 GHz CABLE ASSEMBLY, SMA RA MALE
TO SMA RA MALE, 50 OHMS
DWG. NO. RNB24Y-05-05-20/PM



SCALE: NTS

SHEET 1 OF 1