

NOTES:

1. ELECTRICAL

- 1.1 IMPEDANCE: 50 Ω
- 1.2 FREQUENCY RANGE: DC ~ 18 GHz
- 1.3 VSWR: 1.30 MAX @ 18 GHz
- 1.4 INSERTION LOSS: SEE TABLE 2 / "IL"
- 1.5 RF LEAKAGE: N/A
- 1.6 INSULATION RESISTANCE: 1000 MO MIN
- 1.7 DIELECTRIC WITHSTANDING VOLTAGE: 500VRMS MIN AT SEA LEVEL

2. VOLTAGE RATING: 335 VRMS

- MECHANICAL:
- 2.1 DURABILITY: ≥500 CYCLES
 - 2.2 MINIMUM BENDING RADIUS(STATIC): 39 MM
 - 2.3 MINIMUM BENDING RADIUS(REPEATED): 78 MM
 - 2.4 BENDING STABILITY: +/-2° @ 18 GHz(TYPICAL), +/-7° @ 18 GHz(MAX)
 - 2.5 CABLE RETENTION FORCE: 30 LBS MIN.
 - 2.6 RECOMMENDED COUPLING TORQUE: 7-8 IN-LBS
 - 2.7 COUPLING NUT RETENTION FORCE: ≥ 60 LBS

3. ENVIRONMENTAL:

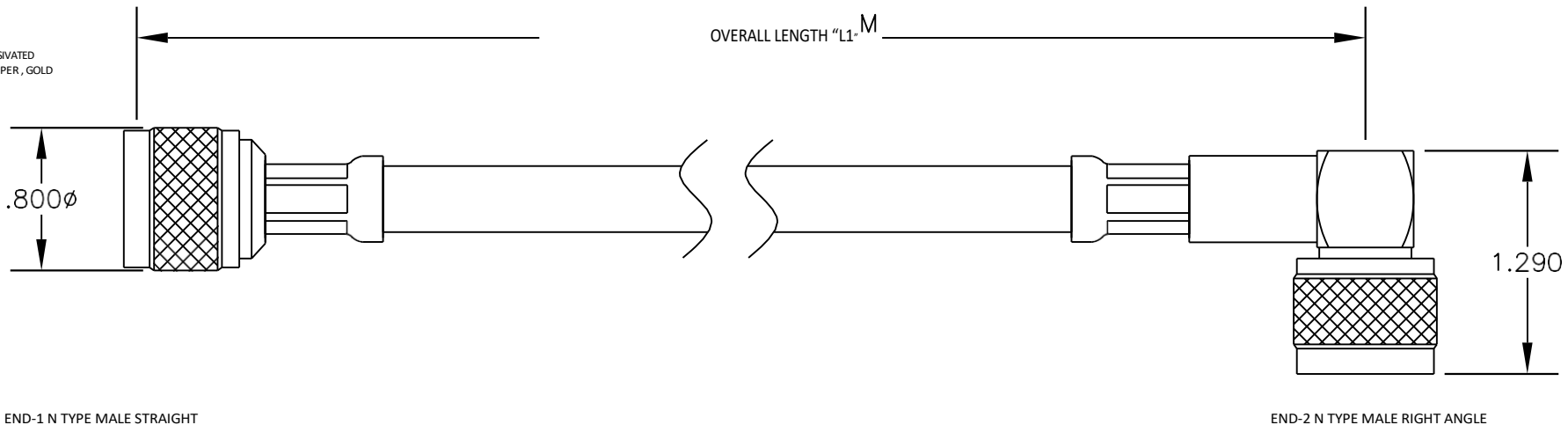
TEMPERATURE RANGE: -55°C TO +165°C

4. MATERIAL AND FINISH: RAW CABLE,

- 4.01 JACKET: FEP, BLUE
- 4.02 FEATURES: LOW LOSS, FLEXIBLE CONNECTORS(BOTH ENDS),
- 4.03 BODY: STAINLESS STEEL, PASSIVATED
- 4.04 COUPLING NUT: STAINLESS STEEL, PASSIVATED
- 4.05 CENTER CONTACT: BERYLLIUM COPPER, GOLD
- 4.06 DIELECTRIC: ENGINEERING PLASTIC,

UNITS: MILLIMETERS[INCHES]

ASSEMBLY DRAWING



TWO LABELS POSITIONED AT BOTH ENDS

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

Attenuation (typical value@25°C & VSWR=1.0)

Average power (typical value@40°C & atmospheric pressure)

| Frequency MHz | 100 | 300 | 500 | 1000 | 2400 | 3000 | 4000 | 6000 | 10000 | 12400 | 18000 |
|---|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|
| Att. dB/1 m | 0.04 | 0.08 | 0.1 | 0.14 | 0.23 | 0.25 | 0.3 | 0.37 | 0.48 | 0.54 | 0.66 |
| Avg. Power kW | 5.817 | 3.341 | 2.579 | 1.812 | 1.156 | 1.030 | 0.887 | 0.717 | 0.547 | 0.488 | 0.399 |
| | | | | K1= | 0.4563000 | | | | | | |
| | | | | K2= | 0.0003200 | | | | | | |
| Calculate Attenuation=K1 * √ F.MHz+K2 * F.MHz | | | | | | | | | | | |

TABLE - 2 (Raw Attenuation)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. AND TOLERANCES ARE: DECIMALS ANGLES
 X.X: 0.25 [.0100] ± 3°
 X.XX: 0.05 [.0020]
 X.XXX: 0.025 [.0010]

PROPRIETARY NOTE

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 RF Products
 Connectors, Cable Assemblies, Adaptors & Customization
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DESC: N-Type Male Straight - N-Type Male Right Angle Cable Assembly

PN: MEC-RFCA-201-N(MS)-N(MRA)-3Meter