**MATERIAL & FINISH:**

**SMPM-T CONNECTOR:**

1 BODY: STAINLESS STEEL, PASSIVATED
2 CENTER CONTACT: BERYLLIUM COPPER ALLOY, GOLD PLATED
3 INSULATOR: PEEK
4 COUPLING NUT: STAINLESS STEEL, PASSIVATED

**MB067 CABLE:**

1 INNER CONDUCTOR: SILVER PLATED COPPER CLAD STEEL
2 DIELECTRIC: PTFE
3 OUTER CONDUCTOR: SILVER PLATED COPPER TAPE
4 OUTER CONDUCTOR: ALUMINUM THIN
5 OUTER SHIELDS: OUTER BRAID STN. STL
6 JACKET: BLUE PFA

**ELECTRICAL DATA:**

1 IMPEDANCE: 50 Ω
2 FREQUENCY RANGE: DC~40 GHz
3 VSWR: 1.25 MAX. @ DC~2 GHz
1.35 MAX. @ 2~12.4 GHz
1.50 MAX. @ 12.4~18 GHz
1.65 MAX. @ 18~40 GHz
4 INSERTION LOSS: SEE TABLE

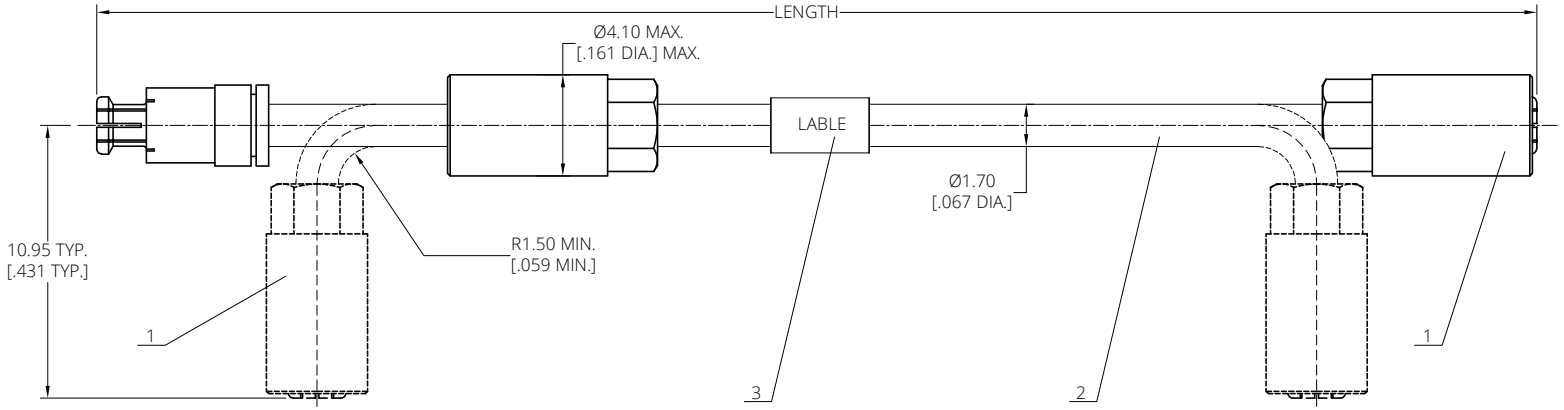
**ENVIRONMENTAL DATA:**

1 TEMPERATURE RANGE: -55℃~+125℃
2 2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
3 1999/45/EC(REACH): COMPLIANT

**MECHANLCAL:**

MIN BEND RADIUS: 5.08MM[.020]
MIN DYNAMIC RADIUSl 10.16MM[.040]

| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 01/29/24 | J. Q |
| | | | |




| PART NO. | LENGTH | INSERTION LOSS | | | |
|---|---|---|---|---|---|
| | | DC~2 GHz | 2~12.4 GHz | 12.4~18 GHz | 18~40 GHz |
| mBend-SMPMTF-SMPMTF-2 | 50.8±3[2±.118] | 0.19 DB MAX. | 0.55 DB MAX. | 0.58 DB MAX. | 1.08 DB MAX. |
| mBend-SMPMTF-SMPMTF-2.5 | 63.5±3[2.5±.118] | 0.20 DB MAX. | 0.61 DB MAX. | 0.65 DB MAX. | 1.20 DB MAX. |
| mBend-SMPMTF-SMPMTF-3 | 76.2±3[3±.118] | 0.22 DB MAX. | 0.68DB MAX. | 0.72 DB MAX. | 1.31 DB MAX. |
| mBend-SMPMTF-SMPMTF-3.5 | 88.9±3[3.5±.118] | 0.25 DB MAX. | 0.73 DB MAX. | 0.80 DB MAX. | 1.43 DB MAX. |
| mBend-SMPMTF-SMPMTF-4 | 101.6±3[4±.118] | 0.28 DB MAX. | 0.79 DB MAX. | 0.88 DB MAX. | 1.55 DB MAX. |
| mBend-SMPMTF-SMPMTF-4.5 | 114.3±3[4.5±.118] | 0.30 DB MAX. | 0.85 DB MAX. | 0.96 DB MAX. | 1.67 DB MAX. |
| mBend-SMPMTF-SMPMTF-5 | 127.0±3[5±.118] | 0.32 DB MAX. | 0.92 DB MAX. | 1.04 DB MAX. | 1.80 DB MAX. |
| mBend-SMPMTF-SMPMTF-5.5 | 139.7±3[5.5±.118] | 0.35 DB MAX. | 0.98 DB MAX. | 1.12 DB MAX. | 1.92 DB MAX. |
| mBend-SMPMTF-SMPMTF-6 | 152.4±3[6±.118] | 0.38 DB MAX. | 1.05 DB MAX. | 1.19 DB MAX. | 2.05 DB MAX. |
| mBend-SMPMTF-SMPMTF-6.5 | 165.1±3[6.5±.118] | 0.41 DB MAX. | 1.12 DB MAX. | 1.27 DB MAX. | 2.17 DB MAX. |
| mBend-SMPMTF-SMPMTF-7 | 177.8±3[7±.118] | 0.43 DB MAX. | 1.18 DB MAX. | 1.35 DB MAX. | 2.30 DB MAX. |
| mBend-SMPMTF-SMPMTF-8 | 203.2±5[8±.197] | 0.47 DB MAX. | 1.30 DB MAX. | 1.50 DB MAX. | 2.53 DB MAX. |
| mBend-SMPMTF-SMPMTF-9 | 228.6±5[9±.197] | 0.52 DB MAX. | 1.43 DB MAX. | 1.66 DB MAX. | 2.80 DB MAX. |
| mBend-SMPMTF-SMPMTF-10 | 254.0±5[10±.197] | 0.57 DB MAX. | 1.56 DB MAX. | 1.81 DB MAX. | 3.02 DB MAX. |
| mBend-SMPMTF-SMPMTF-11 | 279.4±5[11±.197] | 0.62 DB MAX. | 1.68DB MAX. | 1.97 DB MAX. | 3.30 DB MAX. |
| mBend-SMPMTF-SMPMTF-12 | 304.8±5[12±.197] | 0.66 DB MAX. | 1.81 DB MAX. | 2.12 DB MAX. | 3.50 DB MAX. |

| SEQUENCE NUMBER | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 3 | LABLE | HEAT-SHRINK TUBE Ø2.0 | 1 |
| 2 | MB067 | MB067 CABLE | 1 |
| 1 | ANO 9412-2086 | SMPM-T STRAIGHT FEMALE SOLDER FOR MB067 CABLE | 2 |

| | | |
|---|---|---|
| DRAWN | W. Y | DATE 01/29/24 |
| CHECKED | X. Y | DATE 01/29/24 |
| APPROVED | J. Q | DATE 01/29/24 |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLINMETERS, DIMENSIONS IN [ ] ARE IN INCHES FOR CUSTOMER REFERENCE ONLY UNLESS OTHERWISE SPECIFIED TOLERANCE ARE:

| | |
|---|---|
| .XX | ±0.13 [.005"] |
| .X | ±0.20 [.008"] |
| X | ±0.50 [.019"] |
| .X° | ±1° |
| X° | ±2° |

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TITLE
CABLE ASSEMBLY,SMPM-T STRAIGHT FEMALE SMPM-T STRAIGHT FEMALE, MB067 CABLE

VIEW

PART NO.
mBend-SMPMTF-SMPMTF-2

| SIZE | SCALE | SHEET | REV. |
|---|---|---|---|
| A3 | 2.5:1 | 1/1 | A |