

MATERIAL & FINISH:

SMA CONNECTOR

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

MB103 CABLE:

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

ELECTRICAL DATA:

- 1 IMPEDANCE: 50 Ω
- 2 FREQUENCY RANGE: DC~26.5 GHz
- 3 VSWR: 1.30 MAX.
- 4 INSERTION LOSS: 2.4 DB MAX.
- 5 PHASE STABILITY: ±3° @ DC~26.5 GHz
- 6 AMPLITUDE STABILITY: ±0.09 DB @ DC~26.5 GHz

ENVIRONMENTAL DATA:

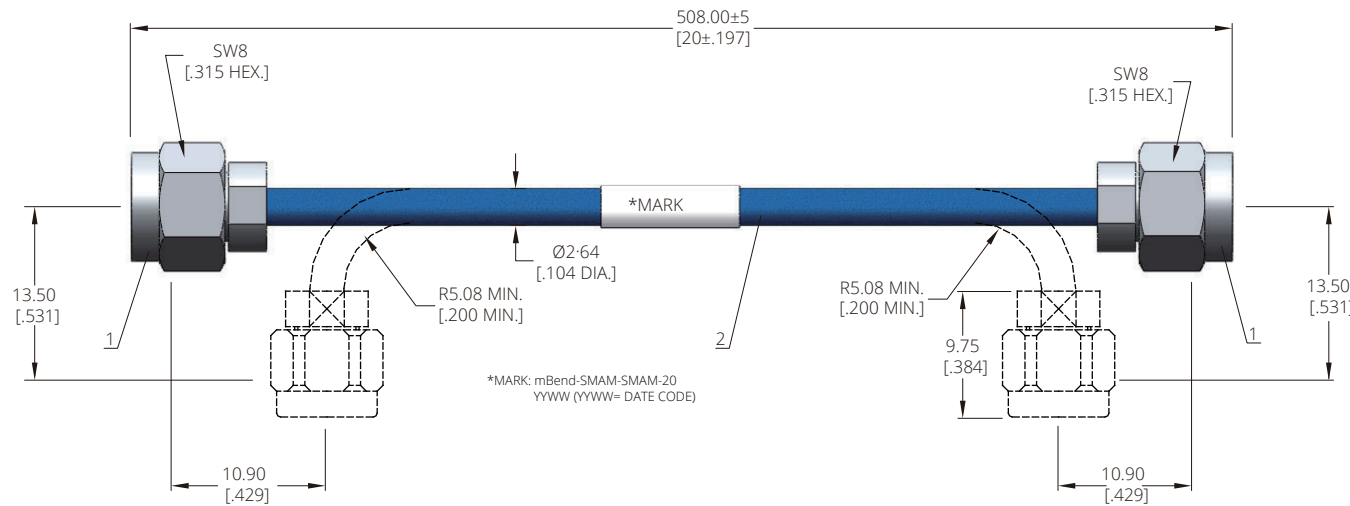
- 1 TEMPERATURE RANGE: -55 C ~+125 C
- 2 2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
- 3 1999/45/EC(REACH): COMPLIANT

MECHANICAL:

- 1 MIN BEND RADIUS: 5.08MM[.020]
- MIN DYNAMIC RADIUS: 10.16MM[.040]
- 2 DURABILITY: 1000 CYCLES MIN.

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/24/21	J. QU



2	MB103	MB103 CABLE	1
1	ANO 2111-2611	SMA STRAIGHT MALE SOLDER FOR MB103 CABLE	2
SEQUENCE NUMBER	PART NO.	DESCRIPTION	QTY

DRAWN	DATE
W. YANG	11/24/21
CHECKED	DATE
X. B. YANG	11/24/21
APPROVED	DATE
J. QU	11/24/21
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS, 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, SMA STRAIGHT MALE TO SMA STRAIGHT MALE, MB103 CABLE			
VIEW	PART NO.	SHEET	
	mBend-SMAM-SMAM-20	1/1	
SIZE	SCALE	SHEET	REV.
A3	2.5:1	1/1	A