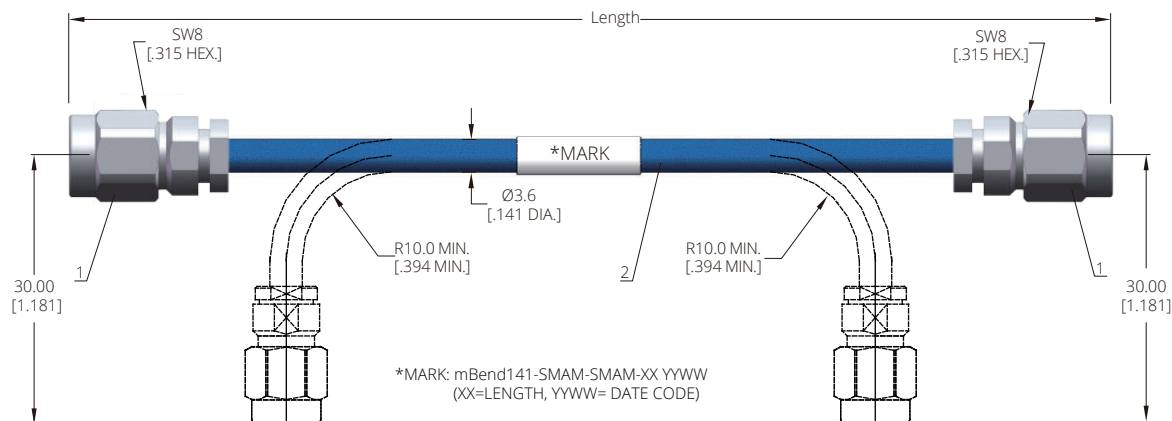


mBend141 Cable Assemblies

(SMA - 26.5 GHz)



Anoison mBend141 cable assemblies with SMA connectors, working frequency up to 26.5 GHz.



P/N	Length* (Inches)	2 GHz		12.4 GHz		18 GHz		24 GHz		26.5 GHz	
		VSWR	IL (dB)	VSWR	IL (dB)	VSWR	IL (dB)	VSWR	IL (dB)	VSWR	IL (dB)
mBend141-SMAM-SMAM-3	3	1.15:1	0.2	1.25:1	0.5	1.30:1	0.6	1.35:1	0.7	1.35:1	0.7
mBend141-SMAM-SMAM-4	4	1.15:1	0.3	1.25:1	0.6	1.30:1	0.6	1.35:1	0.7	1.35:1	0.7
mBend141-SMAM-SMAM-5	5	1.15:1	0.3	1.25:1	0.6	1.30:1	0.6	1.35:1	0.8	1.35:1	0.8
mBend141-SMAM-SMAM-6	6	1.15:1	0.3	1.25:1	0.6	1.30:1	0.7	1.35:1	0.8	1.35:1	0.9
mBend141-SMAM-SMAM-7	7	1.15:1	0.3	1.25:1	0.7	1.30:1	0.7	1.35:1	0.9	1.35:1	0.9
mBend141-SMAM-SMAM-8	8	1.15:1	0.3	1.25:1	0.7	1.30:1	0.8	1.35:1	0.9	1.35:1	1.0
mBend141-SMAM-SMAM-9	9	1.15:1	0.3	1.25:1	0.7	1.30:1	0.8	1.35:1	1.0	1.35:1	1.0
mBend141-SMAM-SMAM-10	10	1.15:1	0.3	1.25:1	0.8	1.30:1	0.9	1.35:1	1.0	1.35:1	1.1
mBend141-SMAM-SMAM-11	11	1.15:1	0.4	1.25:1	0.8	1.30:1	0.9	1.35:1	1.1	1.35:1	1.1
mBend141-SMAM-SMAM-12	12	1.15:1	0.4	1.25:1	0.9	1.30:1	1.0	1.35:1	1.1	1.35:1	1.2
mBend141-SMAM-SMAM-13	13	1.15:1	0.4	1.25:1	0.9	1.30:1	1.0	1.35:1	1.2	1.35:1	1.2
mBend141-SMAM-SMAM-14	14	1.15:1	0.4	1.25:1	0.9	1.30:1	1.1	1.35:1	1.2	1.35:1	1.3
mBend141-SMAM-SMAM-15	15	1.15:1	0.4	1.25:1	1.0	1.30:1	1.1	1.35:1	1.3	1.35:1	1.4
mBend141-SMAM-SMAM-16	16	1.15:1	0.4	1.25:1	1.0	1.30:1	1.1	1.35:1	1.3	1.35:1	1.4
mBend141-SMAM-SMAM-17	17	1.15:1	0.4	1.25:1	1.0	1.30:1	1.2	1.35:1	1.4	1.35:1	1.5
mBend141-SMAM-SMAM-18	18	1.15:1	0.5	1.25:1	1.1	1.30:1	1.2	1.35:1	1.4	1.35:1	1.5
mBend141-SMAM-SMAM-19	19	1.15:1	0.5	1.25:1	1.1	1.30:1	1.3	1.35:1	1.5	1.35:1	1.6
mBend141-SMAM-SMAM-20	20	1.15:1	0.5	1.25:1	1.2	1.30:1	1.3	1.35:1	1.5	1.35:1	1.6
mBend141-SMAM-SMAM-24	24	1.15:1	0.5	1.25:1	1.3	1.30:1	1.5	1.35:1	1.7	1.35:1	1.9
mBend141-SMAM-SMAM-28	28	1.15:1	0.6	1.25:1	1.5	1.30:1	1.7	1.35:1	2.0	1.35:1	2.1
mBend141-SMAM-SMAM-30	30	1.15:1	0.6	1.25:1	1.5	1.30:1	1.8	1.35:1	2.1	1.35:1	2.2
mBend141-SMAM-SMAM-32	32	1.15:1	0.7	1.25:1	1.6	1.30:1	1.9	1.35:1	2.2	1.35:1	2.3
mBend141-SMAM-SMAM-36	36	1.15:1	0.7	1.25:1	1.8	1.30:1	2.0	1.35:1	2.4	1.35:1	2.5

*We can offer custom cable assemblies of any specified length.

Electrical

Impedance	50 Ohms
Frequency	DC-26.5 GHz
VSWR	See Chart
Insertion Loss	See Chart
Amplitude Stability	<±0.15 @ 26.5 GHz (Bending radius 1in / 25.4 mm, 180 degrees)
Phase Stability vs Flexure (TYP.)	<±8° @ 26.5 GHz (Bending radius 1in / 25.4 mm, 180 degrees)
Dielectric Withstanding Voltage	750 V
Insulation Resisitance	1000 MΩ

Mechanical

Min Bend Radius	Static: 0.39", Repeated: 1.38"
Pull Strength	20 lbs (9 kg) Min.
Durability	1000 cycles Min.

Environmental

Temperature	-55 °C to +125 °C
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Material

Cable Center Conductor	Silver Plated Copper
Cable Outer Conductor	Silver Plated Copper Tape Braid
Cable Interlayer	Aluminum Thin
Cable Outer Shield	Outer Braid Stn. Stl
Cable Jacket	FEP
Dielectric	ePTFE
Connector Body & Nut	Passivated Stainless Steel
Connector Center Contact	Gold Plated Berllium Copper Alloy

Typical Test Curves (*mBend141-SMAM-SMAM-10*)

