

CONTROL DRAWING

microbend AR-XX

J

ASTROLAB PART NUMBER	DIMENSION "L" IN	2.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB
microbend AR-2	2.00 [50.8]	1.20:1	0.23	1.33:1	0.48	1.45:1	0.61	1.50:1	0.77
microbend AR-2.5	2.50 [63.5]	1.20:1	0.25	1.33:1	0.52	1.45:1	0.68	1.50:1	0.84
microbend AR-3	3.00 [76.2]	1.20:1	0.27	1.33:1	0.57	1.45:1	0.75	1.50:1	0.91
microbend AR-3.5	3.50 [88.9]	1.20:1	0.28	1.33:1	0.62	1.45:1	0.81	1.50:1	0.99
microbend AR-4	4.00 [101.6]	1.20:1	0.30	1.33:1	0.67	1.45:1	0.87	1.50:1	1.06
microbend AR-4.5	4.50 [114.3]	1.20:1	0.32	1.33:1	0.72	1.45:1	0.93	1.50:1	1.14
microbend AR-5	5.00 [127.0]	1.20:1	0.34	1.33:1	0.77	1.45:1	0.99	1.50:1	1.21
microbend AR-5.5	5.50 [139.7]	1.20:1	0.36	1.33:1	0.82	1.45:1	1.05	1.50:1	1.29
microbend AR-6	6.00 [152.4]	1.20:1	0.38	1.33:1	0.87	1.45:1	1.11	1.50:1	1.36
microbend AR-6.5	6.50 [165.1]	1.20:1	0.40	1.33:1	0.92	1.45:1	1.17	1.50:1	1.44
microbend AR-7	7.00 [177.8]	1.20:1	0.42	1.33:1	0.96	1.45:1	1.23	1.50:1	1.51
microbend AR-8	8.00 [203.2]	1.20:1	0.46	1.33:1	1.06	1.45:1	1.35	1.50:1	1.66
microbend AR-9	9.00 [228.6]	1.20:1	0.50	1.33:1	1.16	1.45:1	1.48	1.50:1	1.81
microbend AR-10	10.00 [254.0]	1.20:1	0.53	1.33:1	1.26	1.45:1	1.60	1.50:1	1.96
microbend AR-11	11.00 [279.4]	1.20:1	0.57	1.33:1	1.36	1.45:1	1.72	1.50:1	2.11
microbend AR-12	12.00 [304.8]	1.20:1	0.61	1.33:1	1.46	1.45:1	1.84	1.50:1	2.26
microbend AR-13	13.00 [330.2]	1.20:1	0.65	1.33:1	1.56	1.45:1	1.96	1.50:1	2.41
microbend AR-14	14.00 [355.6]	1.20:1	0.69	1.33:1	1.66	1.45:1	2.08	1.50:1	2.56
microbend AR-15	15.00 [381.0]	1.20:1	0.73	1.33:1	1.76	1.45:1	2.21	1.50:1	2.71
microbend AR-16	16.00 [406.4]	1.20:1	0.76	1.33:1	1.86	1.45:1	2.33	1.50:1	2.86
microbend AR-									

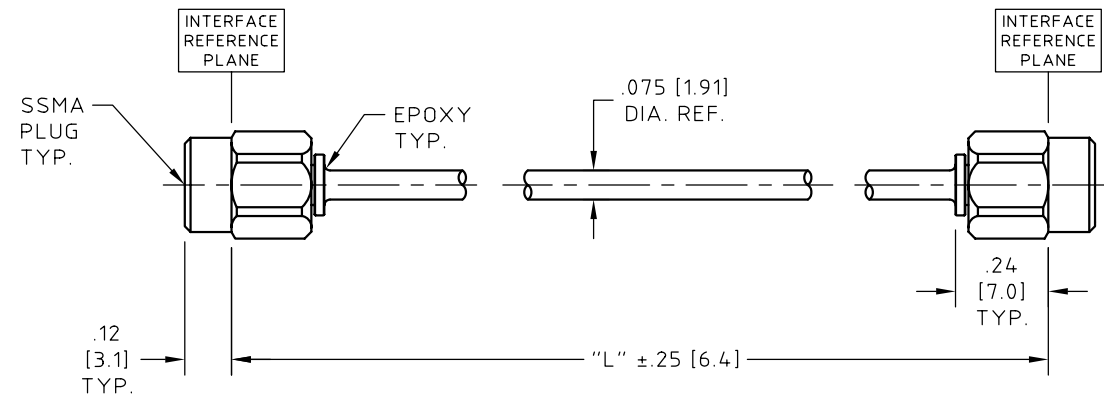
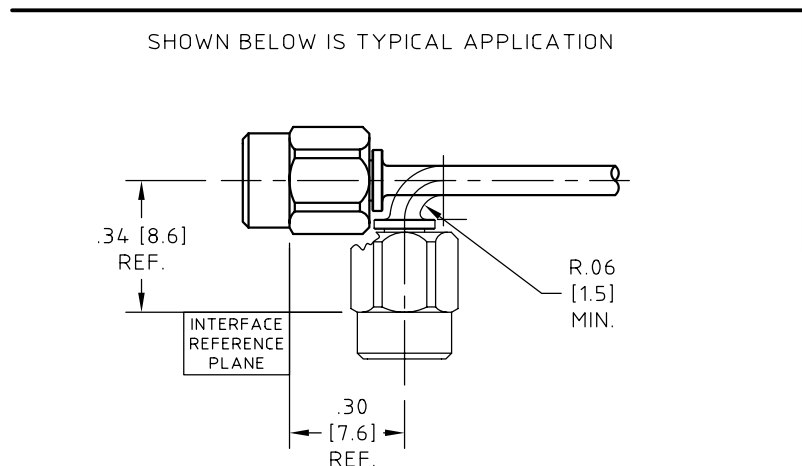
NOTES:

- DESCRIPTION, CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG, microbend TYPE, RUGGEDIZED, SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BENT AT THE MINIMUM BEND RADIUS, microbend AR WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE, COAXIAL CABLE ASTROLAB P/N 32041E MEETS OR EXCEEDS MIL-DTL-17 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SSMA PLUG IAW MIL-STD-348. ASTROLAB P/N 29112CR-32-41 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

- CONNECTOR -B-, SAME AS CONNECTOR A.
- MARKING, NO MARKING ON CABLE ASSEMBLY ALL MARKING ON PACKAGING.
- ELECTRICAL CHARACTERISTICS, IMPEDANCE, 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.
- MECHANICAL, OPERATING TEMPERATURE RANGE, -55° C TO +125° C. MECHANICAL PERFORMANCE, GUARANTEED 10.0 Lbs. [45 N] PULL FORCE. TORQUE SSMA NUT TO 7.0/8.0 IN-Lbs [0.79 Nm/1.13 Nm].

ROHS 6 COMPLIANT



NAME		DATE	
PREP.	AP	04/25/03	
ELEC.	RF	04/25/03	
MECH.	GSG	04/25/03	
Q.C.			
TITLE		CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG	
INCH [mm]		UNLESS OTHERWISE SPECIFIED CONCENTRICITY .004 T.I.R. CORNERS AND FILLETS .005 MAX. RADIUS OR CHAMFER. SURFACE FINISH 63 RMS MICROINCHES OR BETTER.	
FRACTIONS	± 1/16		
X	± .030		
XX	± .015		
XXX	± .005		
ANGLES	± 1°		
DO NOT SCALE DRAWING		SCALE	2:1
		CODE IDENT.	16301
		DWG NO.	microbend AR-XX
		THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	REV J



ASTROLAB® INC.
WARREN, NJ
THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF ASTROLAB

J	ECN No. 12786	10/01/09	GSG	
REV.	DESCRIPTION	DATE	BY	APPROVED