

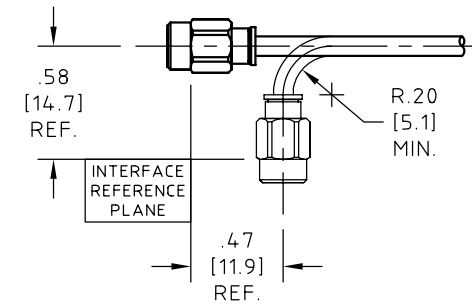
CONTROL DRAWING

minibend A-XX

J

ASSEMBLY NO.	DIM. "L"	2.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend A-2.5	2.50 (63.5)	1.20:1	0.23	1.33:1	0.44	1.45:1	0.63	1.50:1	0.83
minibend A-3	3.00 (76.2)	1.20:1	0.24	1.33:1	0.48	1.45:1	0.68	1.50:1	0.89
minibend A-3.5	3.50 (88.9)	1.20:1	0.26	1.33:1	0.52	1.45:1	0.72	1.50:1	0.95
minibend A-4	4.00 (101.6)	1.20:1	0.27	1.33:1	0.56	1.45:1	0.77	1.50:1	1.01
minibend A-4.5	4.50 (114.3)	1.20:1	0.29	1.33:1	0.60	1.45:1	0.82	1.50:1	1.07
minibend A-5	5.00 (127.0)	1.20:1	0.30	1.33:1	0.64	1.45:1	0.87	1.50:1	1.13
minibend A-5.5	5.50 (139.7)	1.20:1	0.32	1.33:1	0.68	1.45:1	0.92	1.50:1	1.19
minibend A-6	6.00 (152.4)	1.20:1	0.34	1.33:1	0.73	1.45:1	0.97	1.50:1	1.25
minibend A-6.5	6.50 (165.1)	1.20:1	0.35	1.33:1	0.77	1.45:1	1.02	1.50:1	1.31
minibend A-7	7.00 (177.8)	1.20:1	0.37	1.33:1	0.81	1.45:1	1.07	1.50:1	1.38
minibend A-8	8.00 (203.2)	1.20:1	0.40	1.33:1	0.89	1.45:1	1.17	1.50:1	1.50
minibend A-9	9.00 (228.6)	1.20:1	0.43	1.33:1	0.97	1.45:1	1.27	1.50:1	1.62
minibend A-10	10.00 (254.0)	1.20:1	0.46	1.33:1	1.05	1.45:1	1.36	1.50:1	1.74
minibend A-11	11.00 (279.4)	1.20:1	0.49	1.33:1	1.13	1.45:1	1.46	1.50:1	1.86
minibend A-12	12.00 (304.8)	1.20:1	0.52	1.33:1	1.21	1.45:1	1.56	1.50:1	1.99
minibend A-13	13.00 (330.2)	1.20:1	0.55	1.33:1	1.29	1.45:1	1.66	1.50:1	2.11
minibend A-14	14.00 (355.6)	1.20:1	0.58	1.33:1	1.37	1.45:1	1.76	1.50:1	2.23
minibend A-15	15.00 (381.0)	1.20:1	0.61	1.33:1	1.45	1.45:1	1.86	1.50:1	2.35
minibend A-16	16.00 (406.4)	1.20:1	0.64	1.33:1	1.53	1.45:1	1.95	1.50:1	2.47
minibend A-									

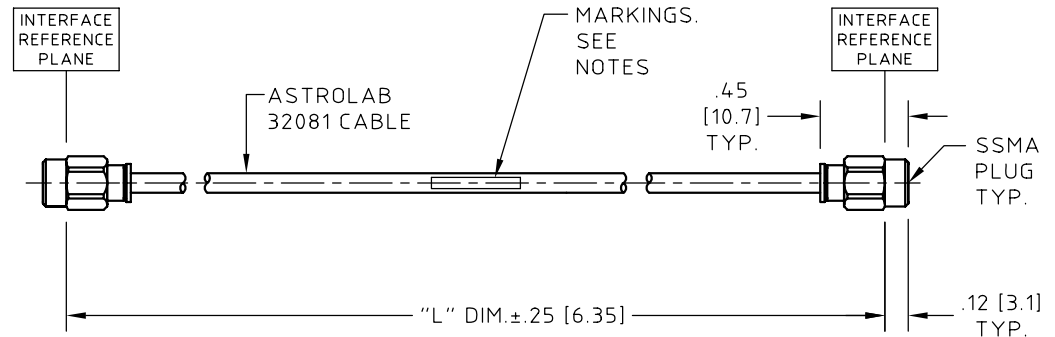
ALL minibend CABLE ASSEMBLIES ARE 99.9% LEAD FREE BY WEIGHT.



SHOWN ABOVE IS TYPICAL INSTALLATION.

NOTES:

- DESCRIPTION:
LOW OUTGASSING, CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG.
ASSEMBLY MEETS OR EXCEEDS NASA LOW OUTGASSING REQUIREMENTS.
- CABLE:
COAXIAL CABLE ASTROLAB P/N 32081 MEETS OR EXCEEDS MIL-DTL-17 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SSMA PLUG:
ASTROLAB P/N 29112C-32-81 IAW MIL-STD-348.
SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SSMA PLUG:
SAME AS CONNECTOR -A-.
- MARKING:
MARKING APPROXIMATELY CENTERED, DIRECTLY ON CABLE, ASTROLAB PART NUMBER AND DATE CODE.
NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.00"
MARKING ON PACKING ONLY.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE, 50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE RANGE, -55° C TO +125° C.
PULL STRENGTH TO 15.0 LBS. [67 N].



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	

NAME	DATE
PREP. GSG	05/21/01
ELEC. RF	05/22/01
MECH. DPD	05/22/01
Q.C.	



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

TITLE	CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE	CODE IDENT.	DWG NO.	REV
	1:1	16301	minibend A-XX	J

J	ECN No. 13950	05/18/11	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED