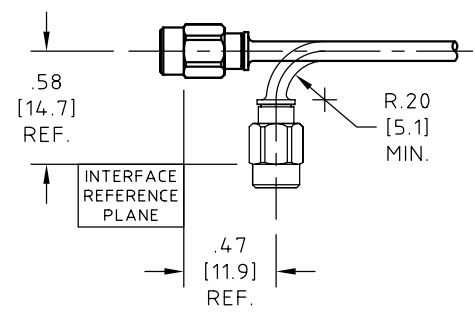


CONTROL DRAWING

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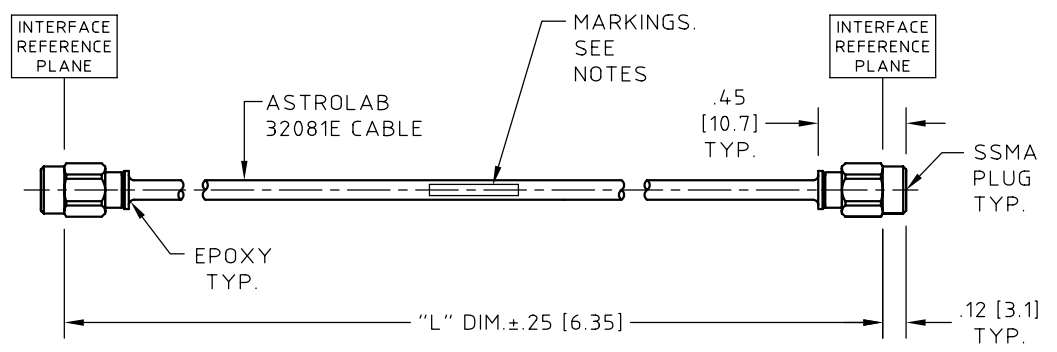
ASSEMBLY NO.	DIM. "L"	2.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend AR-2.5	2.50 (63.5)	1.20:1	0.23	1.33:1	0.44	1.45:1	0.63	1.50:1	0.83
minibend AR-3	3.00 (76.2)	1.20:1	0.24	1.33:1	0.48	1.45:1	0.68	1.50:1	0.89
minibend AR-3.5	3.50 (88.9)	1.20:1	0.26	1.33:1	0.52	1.45:1	0.72	1.50:1	0.95
minibend AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-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 AR-									

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 32081E MEETS OR EXCEEDS MIL-DTL-17 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
 - CONNECTOR -A-, SSMA PLUG:
ASTROLAB P/N 29112CR-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 25.0 LBS. [111 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. A.W.	04/25/01
ELEC. R.F.	04/25/01
MECH. GSG	04/25/01
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, RUGGEDIZED

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

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