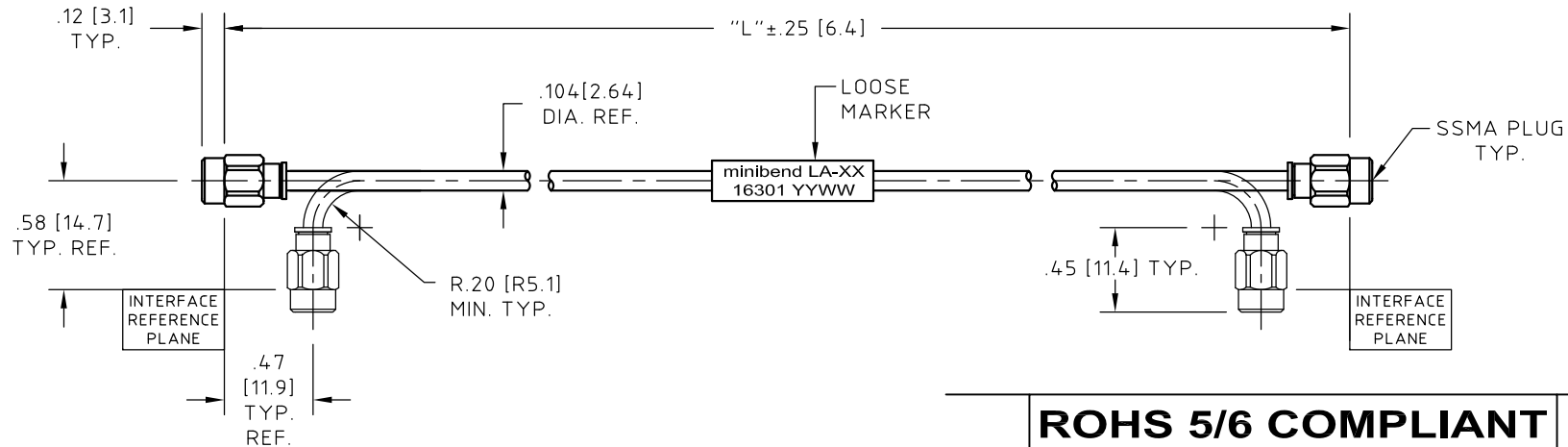


CONTROL DRAWING

minibend LA-XX

M



ROHS 5/6 COMPLIANT

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "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 LA-2.5	2.50 [63.5]	1.20:1	0.21	1.33:1	0.39	1.45:1	0.56	1.50:1	0.75
minibend LA-3	3.00 [76.2]	1.20:1	0.22	1.33:1	0.42	1.45:1	0.60	1.50:1	0.79
minibend LA-3.5	3.50 [88.9]	1.20:1	0.23	1.33:1	0.45	1.45:1	0.64	1.50:1	0.84
minibend LA-4	4.00 [101.6]	1.20:1	0.25	1.33:1	0.48	1.45:1	0.67	1.50:1	0.88
minibend LA-4.5	4.50 [114.3]	1.20:1	0.26	1.33:1	0.51	1.45:1	0.71	1.50:1	0.93
minibend LA-5	5.00 [127.0]	1.20:1	0.27	1.33:1	0.54	1.45:1	0.75	1.50:1	0.97
minibend LA-5.5	5.50 [139.7]	1.20:1	0.28	1.33:1	0.57	1.45:1	0.78	1.50:1	1.02
minibend LA-6	6.00 [152.4]	1.20:1	0.30	1.33:1	0.60	1.45:1	0.82	1.50:1	1.06
minibend LA-6.5	6.50 [165.1]	1.20:1	0.31	1.33:1	0.63	1.45:1	0.86	1.50:1	1.11
minibend LA-7	7.00 [177.8]	1.20:1	0.32	1.33:1	0.66	1.45:1	0.89	1.50:1	1.15
minibend LA-8	8.00 [203.2]	1.20:1	0.34	1.33:1	0.72	1.45:1	0.97	1.50:1	1.24
minibend LA-9	9.00 [228.6]	1.20:1	0.37	1.33:1	0.78	1.45:1	1.04	1.50:1	1.33
minibend LA-10	10.00 [254.0]	1.20:1	0.39	1.33:1	0.84	1.45:1	1.11	1.50:1	1.42
minibend LA-11	11.00 [279.4]	1.20:1	0.42	1.33:1	0.90	1.45:1	1.19	1.50:1	1.51
minibend LA-12	12.00 [304.8]	1.20:1	0.44	1.33:1	0.96	1.45:1	1.26	1.50:1	1.60
minibend LA-13	13.00 [330.2]	1.20:1	0.46	1.33:1	1.02	1.45:1	1.33	1.50:1	1.69
minibend LA-14	14.00 [355.6]	1.20:1	0.49	1.33:1	1.08	1.45:1	1.41	1.50:1	1.78
minibend LA-15	15.00 [381.0]	1.20:1	0.51	1.33:1	1.14	1.45:1	1.48	1.50:1	1.87
minibend LA-16	16.00 [406.4]	1.20:1	0.54	1.33:1	1.20	1.45:1	1.55	1.50:1	1.96
minibend LA-		1.20:1		1.33:1		1.45:1		1.50:1	

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, LOW OUTGASSING,
SSMA PLUG TO SSMA PLUG MEETS OR
EXCEEDS NASA LOW OUTGASSING REQUIREMENTS.
- CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32024
MEETS OR EXCEEDS MIL-DTL-17
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SSMA PLUG:
HUBER+SUHNER Astrolab P/N 29112C-32-24
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SSMA PLUG:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

- MARKING:
LOOSE FITTING WHITE SLEEVING CAPTIVATED
ON THE CABLE ASSEMBLY.
MARKING INCLUDES THE HUBER+SUHNER Astrolab
PART NUMBER, CAGE CODE AND THE DATE
CODE FOR DATE OF MANUFACTURE.
OTHER MARKING AS DEFINED BY CUSTOMER.
NO MARKING ON CABLE ASSEMBLIES SHORTER
THAN 3.00 [76.2].
MARKING ON PACKAGING 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. [66.7 N].
- ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = .88 dB/FT. X L(ft.)+.38 dB
8B. CALCULATE AT 26.5 GHz
(dB) = 1.08 dB/FT. X L(ft.)+.52 dB

SEE NOTE 8

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	07/16/01
ELEC.	
MECH.	
Q.C.	

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE CABLE ASSEMBLY, minibend L TYPE, 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 1:1	CODE IDENT. 16301	DWG NO. minibend LA-XX	REV M

M	ECN No. 15523	05/14/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED