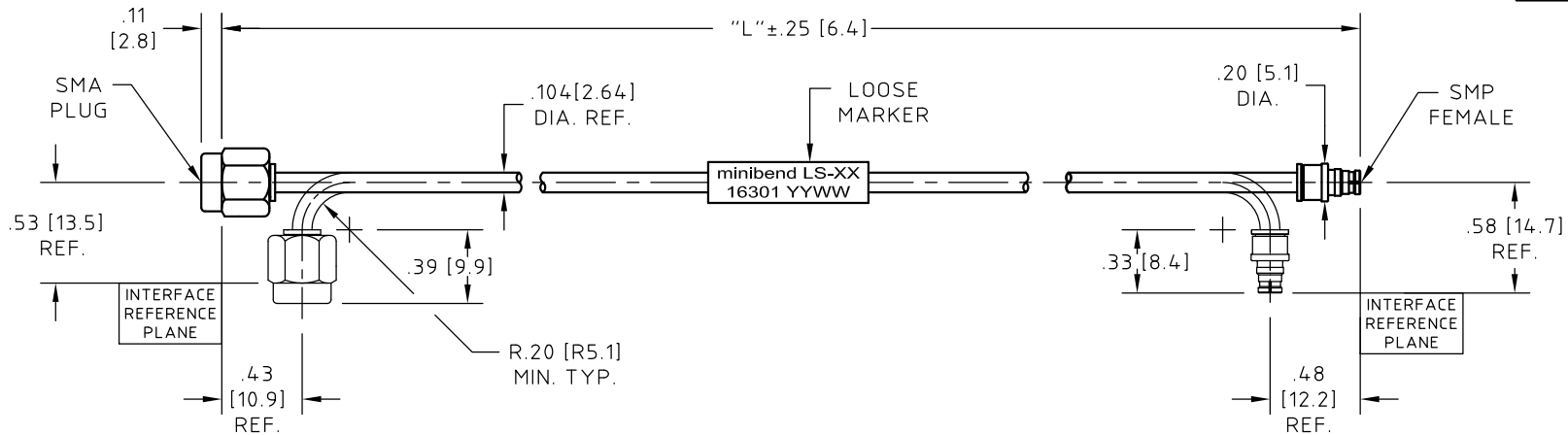


CONTROL DRAWING

minibend LS-XX

P



HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend LS-2.5	2.50 [63.5]	1.25:1	0.19	1.30:1	0.39	1.45:1	0.57
minibend LS-3	3.00 [76.2]	1.25:1	0.20	1.30:1	0.43	1.45:1	0.61
minibend LS-3.5	3.50 [88.9]	1.25:1	0.21	1.30:1	0.47	1.45:1	0.65
minibend LS-4	4.00 [101.6]	1.25:1	0.23	1.30:1	0.50	1.45:1	0.68
minibend LS-4.5	4.50 [114.3]	1.25:1	0.24	1.30:1	0.53	1.45:1	0.72
minibend LS-5	5.00 [127.0]	1.25:1	0.25	1.30:1	0.56	1.45:1	0.76
minibend LS-5.5	5.50 [139.7]	1.25:1	0.26	1.30:1	0.59	1.45:1	0.79
minibend LS-6	6.00 [152.4]	1.25:1	0.28	1.30:1	0.62	1.45:1	0.83
minibend LS-6.5	6.50 [165.1]	1.25:1	0.29	1.30:1	0.65	1.45:1	0.87
minibend LS-7	7.00 [177.8]	1.25:1	0.30	1.30:1	0.68	1.45:1	0.90
minibend LS-8	8.00 [203.2]	1.25:1	0.32	1.30:1	0.74	1.45:1	0.98
minibend LS-9	9.00 [228.6]	1.25:1	0.35	1.30:1	0.81	1.45:1	1.05
minibend LS-10	10.00 [254.0]	1.25:1	0.37	1.30:1	0.87	1.45:1	1.12
minibend LS-11	11.00 [279.4]	1.25:1	0.40	1.30:1	0.93	1.45:1	1.20
minibend LS-12	12.00 [304.8]	1.25:1	0.42	1.30:1	0.99	1.45:1	1.27
minibend LS-13	13.00 [330.2]	1.25:1	0.44	1.30:1	1.05	1.45:1	1.34
minibend LS-14	14.00 [355.6]	1.25:1	0.47	1.30:1	1.11	1.45:1	1.42
minibend LS-15	15.00 [381.0]	1.25:1	0.49	1.30:1	1.18	1.45:1	1.49
minibend LS-16	16.00 [406.4]	1.25:1	0.52	1.30:1	1.24	1.45:1	1.56
minibend LS-		1.25:1		1.30:1		1.45:1	

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMP FEMALE.
- 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-, SMA PLUG:
HUBER+SUHNER Astrolab P/N 29094C-32-24
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMP FEMALE:
HUBER+SUHNER Astrolab P/N 29473C-32-24-1
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

- MARKING:
LOOSE FITTING, WHITE SLEEVING CAPTIVATED
ON THE CABLE ASSEMBLY.
MARKING INCLUDES HUBER+SUHNER Astrolab
PART NUMBER, CAGE CODE AND 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 12.4 GHz
(dB) = .72 dB/FT. X L(ft.)+.27 dB
8B. CALCULATE AT 18.0 GHz
(dB) = .88 dB/FT. X L(ft.)+.39 dB

SEE NOTE 8

ROHS 5/6 COMPLIANT

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. WJL	02/03/00
ELEC. RF	08/24/00
MECH. DPD	08/24/00
Q.C.	

HUBER+SUHNER
Astrolab

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, SMA PLUG TO SMP FEMALE.		SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend LS-XX	REV P
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.					

P	ECN No. 15559	05/15/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED