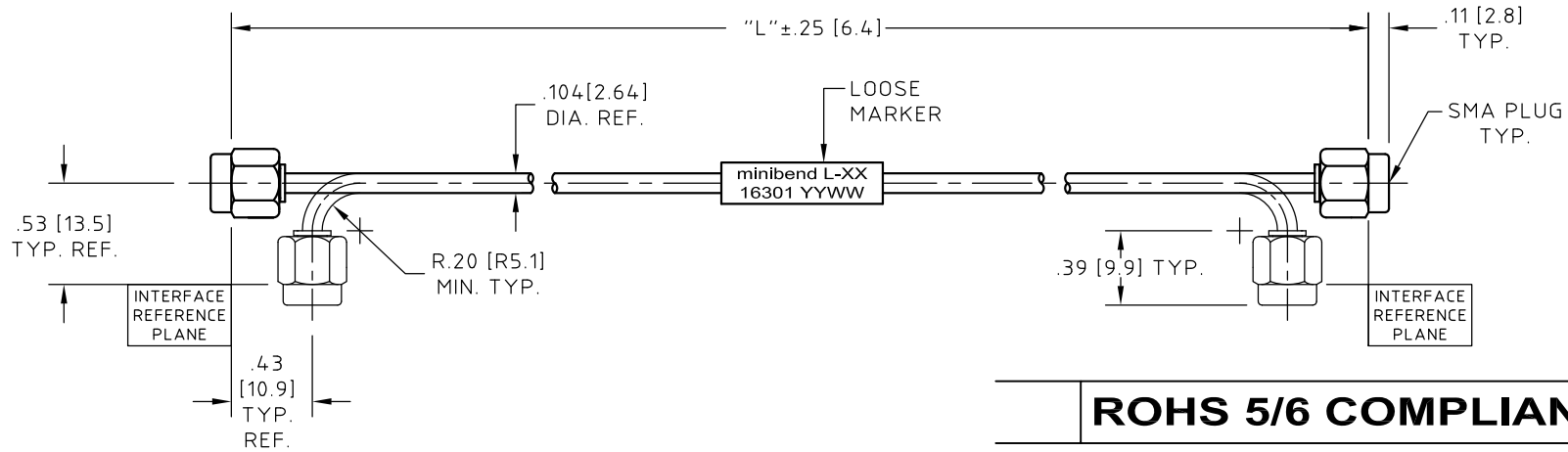


CONTROL DRAWING

minibend L-xx

Z



ROHS 5/6 COMPLIANT

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	1.0 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 L-2.5	2.50 [63.5]	1.16:1	0.13	1.25:1	0.33	1.35:1	0.44	1.40:1	0.54
minibend L-3	3.00 [76.2]	1.16:1	0.14	1.25:1	0.36	1.35:1	0.47	1.40:1	0.58
minibend L-3.5	3.50 [88.9]	1.16:1	0.15	1.25:1	0.39	1.35:1	0.51	1.40:1	0.63
minibend L-4	4.00 [101.6]	1.16:1	0.16	1.25:1	0.42	1.35:1	0.54	1.40:1	0.67
minibend L-4.5	4.50 [114.3]	1.16:1	0.17	1.25:1	0.45	1.35:1	0.58	1.40:1	0.72
minibend L-5	5.00 [127.0]	1.16:1	0.18	1.25:1	0.48	1.35:1	0.62	1.40:1	0.76
minibend L-5.5	5.50 [139.7]	1.16:1	0.19	1.25:1	0.51	1.35:1	0.65	1.40:1	0.80
minibend L-6	6.00 [152.4]	1.16:1	0.20	1.25:1	0.54	1.35:1	0.69	1.40:1	0.85
minibend L-6.5	6.50 [165.1]	1.16:1	0.21	1.25:1	0.57	1.35:1	0.72	1.40:1	0.89
minibend L-7	7.00 [177.8]	1.16:1	0.22	1.25:1	0.60	1.35:1	0.76	1.40:1	0.94
minibend L-7.5	7.50 [190.5]	1.16:1	0.24	1.25:1	0.63	1.35:1	0.80	1.40:1	0.99
minibend L-8	8.00 [203.2]	1.16:1	0.25	1.25:1	0.66	1.35:1	0.84	1.40:1	1.03
minibend L-8.5	8.50 [215.9]	1.16:1	0.26	1.25:1	0.70	1.35:1	0.88	1.40:1	1.08
minibend L-9	9.00 [228.6]	1.16:1	0.26	1.25:1	0.73	1.35:1	0.91	1.40:1	1.12
minibend L-9.5	9.50 [241.3]	1.16:1	0.27	1.25:1	0.76	1.35:1	0.95	1.40:1	1.17
minibend L-10	10.00 [254.0]	1.16:1	0.28	1.25:1	0.79	1.35:1	0.98	1.40:1	1.21
minibend L-11	11.00 [279.4]	1.16:1	0.30	1.25:1	0.85	1.35:1	1.06	1.40:1	1.30
minibend L-12	12.00 [304.8]	1.16:1	0.31	1.25:1	0.91	1.35:1	1.13	1.40:1	1.39
minibend L-13	13.00 [330.2]	1.16:1	0.33	1.25:1	0.97	1.35:1	1.20	1.40:1	1.48
minibend L-13.5	13.50 [342.9]	1.16:1	0.34	1.25:1	1.00	1.35:1	1.24	1.40:1	1.53
minibend L-14	14.00 [355.6]	1.16:1	0.35	1.25:1	1.03	1.35:1	1.28	1.40:1	1.57
minibend L-15	15.00 [381.0]	1.16:1	0.37	1.25:1	1.10	1.35:1	1.35	1.40:1	1.66
minibend L-16	16.00 [406.4]	1.16:1	0.39	1.25:1	1.17	1.35:1	1.42	1.40:1	1.75
minibend L-		1.16:1		1.25:1		1.35:1		1.40:1	

SEE NOTE 8

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.
- 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-, SMA PLUG:
SAME AS CONNECTOR -A-.

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 18.0 GHz
(dB) = .88 dB/FT. X L(ft.)+.25 dB
8B. CALCULATE AT 26.5 GHz
(dB) = 1.08 dB/FT. X L(ft.)+.31 dB

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	08/11/98	
ELEC. RF	08/12/98	
MECH. GSG	08/12/98	
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, SMA PLUG TO SMA PLUG.

Z	ECN No. 15523	05/09/13	EB		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 L-xx	REV Z
REV.	DESCRIPTION	DATE	BY	APPROVED					