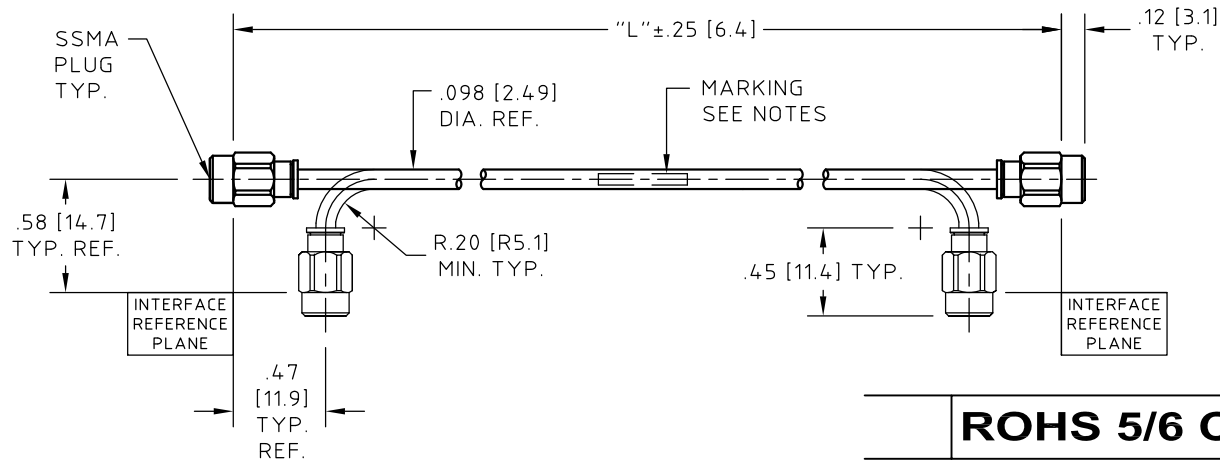


CONTROL DRAWING

minibend A-XX

M



ROHS 5/6 COMPLIANT

NOTES:

NOTES CONTINUED:

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 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-		1.20:1		1.33:1		1.45:1		1.50:1	

- DESCRIPTION,
CABLE ASSEMBLY, LOW OUTGASSING
SSMA PLUG TO SSMA PLUG.
ASSEMBLY MEETS OR EXCEEDS NASA
LOW OUTGASSING REQUIREMENTS.
- CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32081
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-32-81
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SSMA PLUG:
SAME AS CONNECTOR -A-.

- MARKING:
MARKING APPROXIMATELY CENTERED, DIRECTLY
ON CABLE AS FOLLOWS:
MINIBEND A-xx YYWW
WHERE xx DENOTES THE LENGTH OF THE CABLE
ASSEMBLY AND YYWW THE DATE CODE
FOR DATE OF MANUFACTURE.
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) = 1.18 dB/FT. X L(ft.)+.38 dB
8B. CALCULATE AT 26.5 GHz
(dB) = 1.46 dB/FT. X L(ft.)+.53 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	05/21/01
ELEC. RF	05/22/01
MECH. DPD	05/22/01
Q.C.	

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

TITLE CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG		SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend A-XX	REV M
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M	ECN No. 15490	04/11/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED