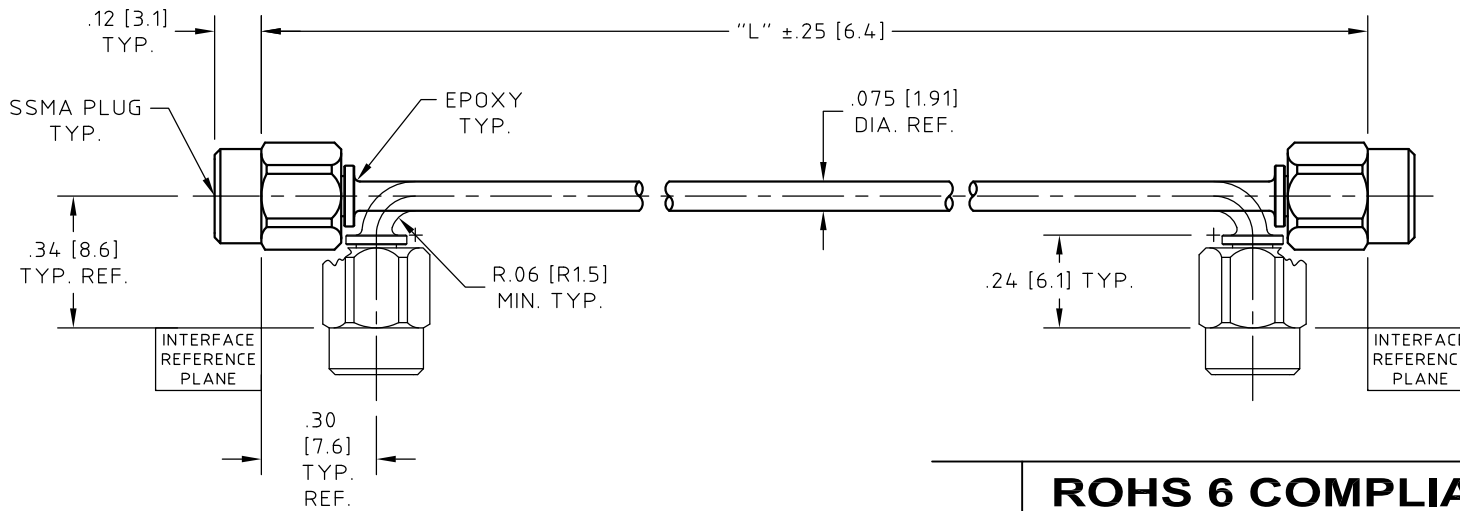


CONTROL DRAWING

microbend AR-XX

M



ROHS 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
microbend AR-2	2.00 [50.8]	1.20:1	0.23	1.33:1	0.48	1.45:1	0.61	1.50:1	0.77
microbend AR-2.5	2.50 [63.5]	1.20:1	0.25	1.33:1	0.52	1.45:1	0.68	1.50:1	0.84
microbend AR-3	3.00 [76.2]	1.20:1	0.27	1.33:1	0.57	1.45:1	0.75	1.50:1	0.91
microbend AR-3.5	3.50 [88.9]	1.20:1	0.28	1.33:1	0.62	1.45:1	0.81	1.50:1	0.99
microbend AR-4	4.00 [101.6]	1.20:1	0.30	1.33:1	0.67	1.45:1	0.87	1.50:1	1.06
microbend AR-4.5	4.50 [114.3]	1.20:1	0.32	1.33:1	0.72	1.45:1	0.93	1.50:1	1.14
microbend AR-5	5.00 [127.0]	1.20:1	0.34	1.33:1	0.77	1.45:1	0.99	1.50:1	1.21
microbend AR-5.5	5.50 [139.7]	1.20:1	0.36	1.33:1	0.82	1.45:1	1.05	1.50:1	1.29
microbend AR-6	6.00 [152.4]	1.20:1	0.38	1.33:1	0.87	1.45:1	1.11	1.50:1	1.36
microbend AR-6.5	6.50 [165.1]	1.20:1	0.40	1.33:1	0.92	1.45:1	1.17	1.50:1	1.44
microbend AR-7	7.00 [177.8]	1.20:1	0.42	1.33:1	0.96	1.45:1	1.23	1.50:1	1.51
microbend AR-8	8.00 [203.2]	1.20:1	0.46	1.33:1	1.06	1.45:1	1.35	1.50:1	1.66
microbend AR-9	9.00 [228.6]	1.20:1	0.50	1.33:1	1.16	1.45:1	1.48	1.50:1	1.81
microbend AR-10	10.00 [254.0]	1.20:1	0.53	1.33:1	1.26	1.45:1	1.60	1.50:1	1.96
microbend AR-11	11.00 [279.4]	1.20:1	0.57	1.33:1	1.36	1.45:1	1.72	1.50:1	2.11
microbend AR-12	12.00 [304.8]	1.20:1	0.61	1.33:1	1.46	1.45:1	1.84	1.50:1	2.26
microbend AR-13	13.00 [330.2]	1.20:1	0.65	1.33:1	1.56	1.45:1	1.96	1.50:1	2.41
microbend AR-14	14.00 [355.6]	1.20:1	0.69	1.33:1	1.66	1.45:1	2.08	1.50:1	2.56
microbend AR-15	15.00 [381.0]	1.20:1	0.73	1.33:1	1.76	1.45:1	2.21	1.50:1	2.71
microbend AR-16	16.00 [406.4]	1.20:1	0.76	1.33:1	1.86	1.45:1	2.33	1.50:1	2.86
microbend AR-		1.20:1		1.33:1		1.45:1		1.50:1	

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SSMA PLUG TO SSMA PLUG,
RUGGEDIZED AND SUITABLE FOR COMPLEX,
CONGESTED INSTALLATIONS.
WHEN INSTALLED AND BEND AT THE MINIMUM BEND
RADIUS, CABLE ASSEMBLY WILL TOLERATE MULTIPLE
±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32041E
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 29112CR-32-41
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,
ALL MARKING WILL BE DONE ON PACKAGING.
- 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 10.0 LBs. [44.5 N].
TORQUE SSMA NUT TO 7.0/8.0 IN-LBs
[0.79 Nm/1.13 Nm].
- ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = 1.46 dB/FT. X L(ft.)+.38 dB
8B. CALCULATE AT 26.5 GHz
(dB) = 1.80 dB/FT. X L(ft.)+.46 dB

UNLESS OTHERWISE SPECIFIED
CONCENTRICITY .004 T.I.R.
CORNERS AND FILLETS .005
MAX. RADIUS OR CHAMFER.
SURFACE FINISH 63 RMS
MICROINCHES OR BETTER.

SEE NOTE 8

FRACTIONS	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE
PREP. AP	04/25/03
ELEC. RF	04/25/03
MECH. GSG	04/25/03
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			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE	CODE IDENT.	DWG NO.
	2:1	16301	microbend AR-XX
M	REV		
	M		

M	ECN No. 15606	06/10/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED