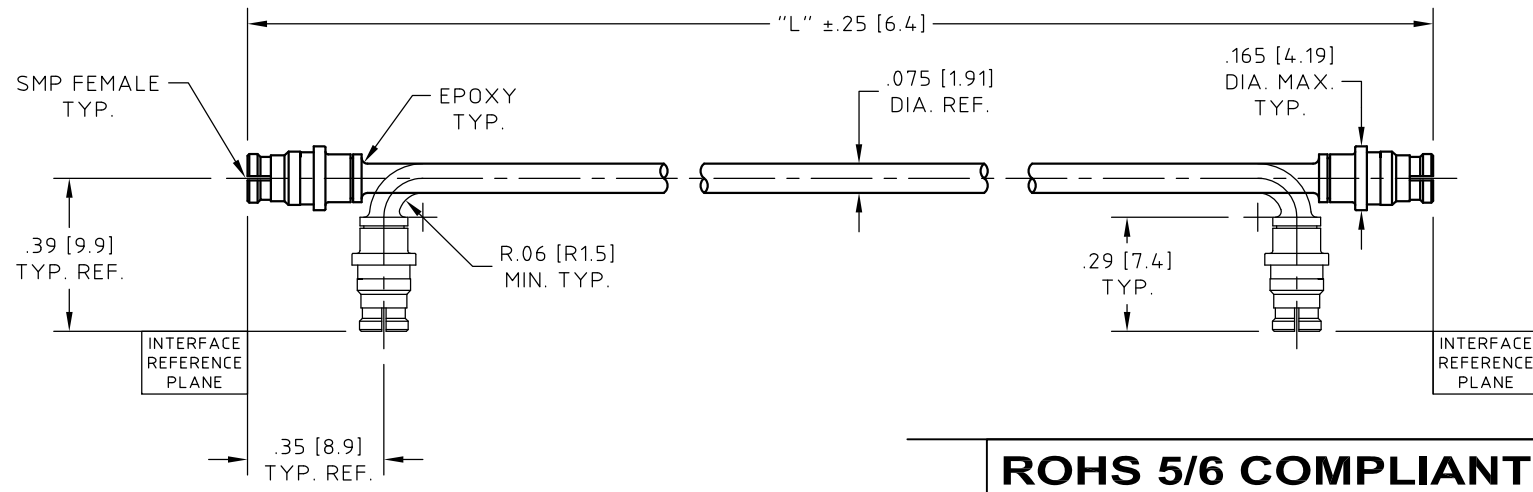


# CONTROL DRAWING

microbend 2SR-XX



**ROHS 5/6 COMPLIANT**

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
microbend 2SR-2	2.00 [50.8]	1.25:1	0.27	1.35:1	0.55	1.50:1	0.69
microbend 2SR-2.5	2.50 [63.5]	1.25:1	0.29	1.35:1	0.60	1.50:1	0.75
microbend 2SR-3	3.00 [76.2]	1.25:1	0.31	1.35:1	0.65	1.50:1	0.81
microbend 2SR-3.5	3.50 [88.9]	1.25:1	0.32	1.35:1	0.70	1.50:1	0.87
microbend 2SR-4	4.00 [101.6]	1.25:1	0.34	1.35:1	0.75	1.50:1	0.93
microbend 2SR-4.5	4.50 [114.3]	1.25:1	0.36	1.35:1	0.80	1.50:1	0.99
microbend 2SR-5	5.00 [127.0]	1.25:1	0.38	1.35:1	0.85	1.50:1	1.05
microbend 2SR-5.5	5.50 [139.7]	1.25:1	0.40	1.35:1	0.90	1.50:1	1.11
microbend 2SR-6	6.00 [152.4]	1.25:1	0.42	1.35:1	0.95	1.50:1	1.18
microbend 2SR-6.5	6.50 [165.1]	1.25:1	0.44	1.35:1	1.00	1.50:1	1.24
microbend 2SR-7	7.00 [177.8]	1.25:1	0.46	1.35:1	1.04	1.50:1	1.30
microbend 2SR-8	8.00 [203.2]	1.25:1	0.50	1.35:1	1.14	1.50:1	1.42
microbend 2SR-9	9.00 [228.6]	1.25:1	0.54	1.35:1	1.24	1.50:1	1.54
microbend 2SR-10	10.00 [254.0]	1.25:1	0.57	1.35:1	1.34	1.50:1	1.66
microbend 2SR-11	11.00 [279.4]	1.25:1	0.61	1.35:1	1.43	1.50:1	1.78
microbend 2SR-12	12.00 [304.8]	1.25:1	0.65	1.35:1	1.53	1.50:1	1.90
microbend 2SR-13	13.00 [330.2]	1.25:1	0.69	1.35:1	1.64	1.50:1	2.02
microbend 2SR-14	14.00 [355.6]	1.25:1	0.73	1.35:1	1.75	1.50:1	2.14
microbend 2SR-15	15.00 [381.0]	1.25:1	0.76	1.35:1	1.85	1.50:1	2.26
microbend 2SR-16	16.00 [406.4]	1.25:1	0.80	1.35:1	1.95	1.50:1	2.38
microbend 2SR-		1.25:1		1.35:1		1.50:1	

**NOTES:**

- DESCRIPTION:  
CABLE ASSEMBLY, SMP FEMALE TO SMP FEMALE, 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-, SMP FEMALE:  
HUBER+SUHNER Astrolab P/N 29473CR-32-41  
INTERFACE DIMENSIONS IAW MIL-STD-348.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMP FEMALE:  
SAME AS CONNECTOR -A-.

**NOTES CONTINUED:**

- MARKING:  
ALL MARKING WILL BE DONE ON PACKAGING.
- ELECTRICAL CHARACTERISTICS:  
IMPEDANCE,  
50.0 Ohms NOMINAL.  
FREQUENCY,  
40.0 GHz MAX.  
INSERTION LOSS AND VSWR  
SEE CHART.
- MECHANICAL:  
OPERATING TEMPERATURE RANGE,  
-55° C TO +125° C.  
PULL STRENGTH TO 10.0 Lbs. [44.5 N].
- ATTENUATION FORMULAS:  
8A. CALCULATE AT 12.4 GHz  
(dB) = 1.19 dB/FT. X L(ft.)+.34 dB  
8B. CALCULATE AT 18.0 GHz  
(dB) = 1.46 dB/FT. X L(ft.)+.44 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. AP	11/20/03
ELEC. RF	11/21/03
MECH. GSG	11/21/03
Q.C. AG	11/21/03

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

TITLE	<b>CABLE ASSEMBLY, SMP FEMALE TO SMP FEMALE</b>			
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.	REV
	2:1	16301	microbend 2SR-XX	L

L	NOTES UPDATED	01/28/14	GS	
REV.	DESCRIPTION	DATE	BY	APPROVED

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