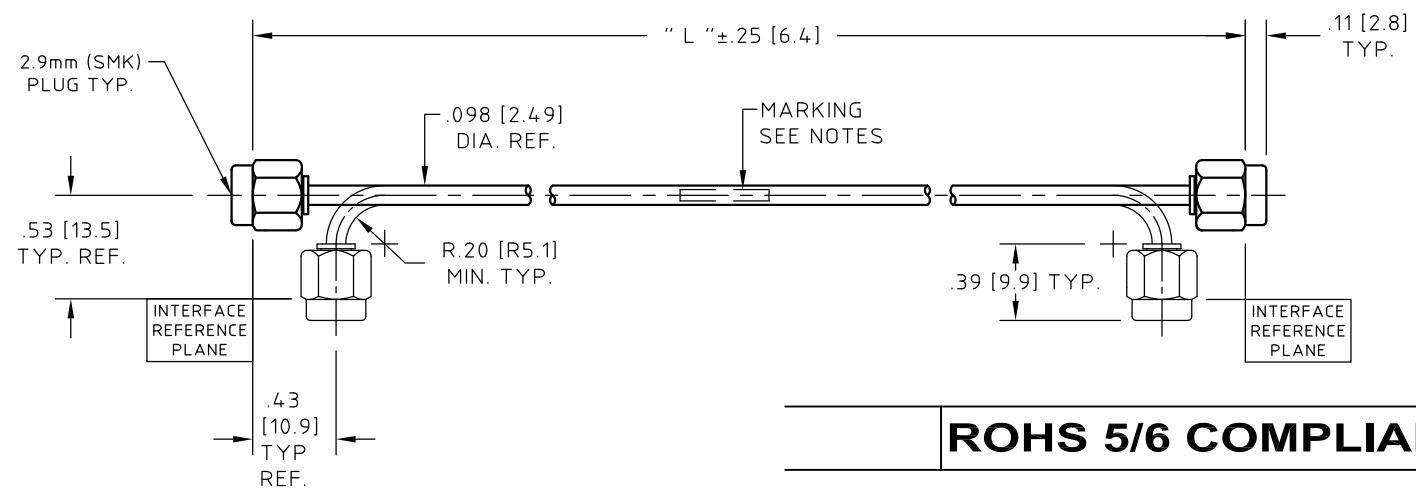


# CONTROL DRAWING

minibend K-XX

AC



**ROHS 5/6 COMPLIANT**

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend K-2.5	2.50 [63.5]	1.20:1	0.18	1.45:1	0.62	1.50:1	0.88
minibend K-3	3.00 [76.2]	1.20:1	0.19	1.45:1	0.68	1.50:1	0.96
minibend K-3.5	3.50 [88.9]	1.20:1	0.21	1.45:1	0.74	1.50:1	1.03
minibend K-4	4.00 [101.6]	1.20:1	0.23	1.45:1	0.80	1.50:1	1.10
minibend K-4.5	4.50 [114.3]	1.20:1	0.24	1.45:1	0.86	1.50:1	1.17
minibend K-5	5.00 [127.0]	1.20:1	0.26	1.45:1	0.92	1.50:1	1.25
minibend K-5.5	5.50 [139.7]	1.20:1	0.27	1.45:1	0.98	1.50:1	1.32
minibend K-6	6.00 [152.4]	1.20:1	0.29	1.45:1	1.04	1.50:1	1.39
minibend K-7	7.00 [177.8]	1.20:1	0.32	1.45:1	1.17	1.50:1	1.54
minibend K-8	8.00 [203.2]	1.20:1	0.35	1.45:1	1.29	1.50:1	1.68
minibend K-9	9.00 [228.6]	1.20:1	0.38	1.45:1	1.41	1.50:1	1.83
minibend K-10	10.00 [254.0]	1.20:1	0.41	1.45:1	1.53	1.50:1	1.97
minibend K-11	11.00 [279.4]	1.20:1	0.44	1.45:1	1.65	1.50:1	2.12
minibend K-12	12.00 [304.8]	1.20:1	0.47	1.45:1	1.78	1.50:1	2.26
minibend K-13	13.00 [330.2]	1.20:1	0.50	1.45:1	1.90	1.50:1	2.41
minibend K-14	14.00 [355.6]	1.20:1	0.53	1.45:1	2.02	1.50:1	2.55
minibend K-15	15.00 [381.0]	1.20:1	0.57	1.45:1	2.14	1.50:1	2.70
minibend K-16	16.00 [406.4]	1.20:1	0.60	1.45:1	2.26	1.50:1	2.84
minibend K-		1.20:1		1.45:1		1.50:1	

**NOTES:**

1. DESCRIPTION,  
CABLE ASSEMBLY, 2.9mm (SMK) PLUG  
TO 2.9mm (SMK) PLUG.
2. 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.
3. CONNECTOR -A-, 2.9mm (SMK) PLUG:  
HUBER+SUHNER Astrolab P/N 29094KC-32-81  
INTERFACE DIMENSIONS IAW MIL-STD-348.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, 2.9mm (SMK) PLUG:  
SAME AS CONNECTOR -A-.

**NOTES CONTINUED:**

5. MARKING:  
MARKING APPROXIMATELY CENTERED DIRECTLY  
ON CABLE AS FOLLOWS:  
**MINIBEND K-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.
6. ELECTRICAL CHARACTERISTICS:  
IMPEDANCE,  
50.0 Ohms NOMINAL.  
FREQUENCY, INSERTION LOSS AND VSWR  
SEE CHART.
7. MECHANICAL:  
OPERATING TEMPERATURE RANGE,  
-55° C TO +125° C.  
PULL STRENGTH TO 15.0 LBS [66.7 N].
8. ATTENUATION FORMULAS:  
8A. CALCULATE AT 26.5 GHz  
(dB) = 1.45 dB/FT. X L(ft.)+.31 dB  
8B. CALCULATE AT 40.0 GHz  
(dB) = 1.84 dB/FT. X L(ft.)+.50 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	± 1/32
X	± .015
XX	± .010
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE
PREP. M.P	06/20/97
ELEC. R.F	06/20/97
MECH. G.S.G	06/20/97
Q.C.	

HUBER+SUHNER  
Astrolab

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

**CABLE ASSEMBLY, 2.9mm PLUG TO 2.9mm PLUG**

AC	ECN No. 15490	04/17/13	EB							
REV.	DESCRIPTION	DATE	BY	APPROVED	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 K-XX	REV AC