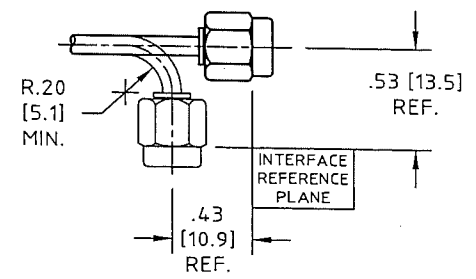
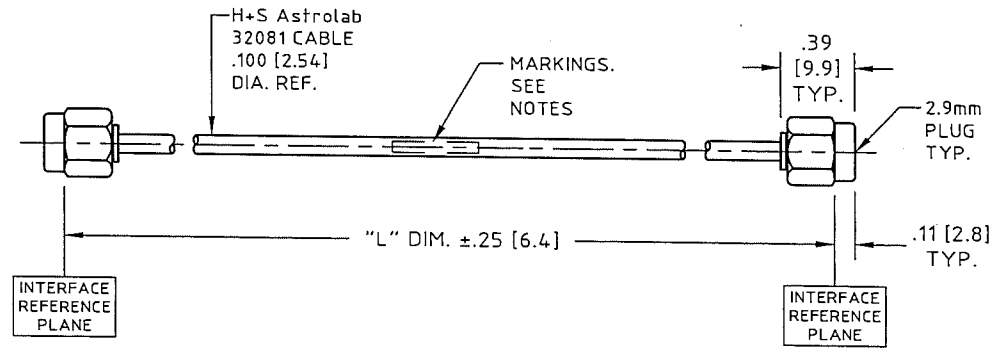


# CONTROL DRAWING

minibend K-XXHT B



SHOWN ABOVE IS TYPICAL INSTALLATION.

H+S Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend K-2.5HT	2.50±.13 [63.5±3.3]	1.20:1	0.18	1.45:1	0.62	1.50:1	0.88
minibend K-3HT	3.00±.13 [76.2±3.3]	1.20:1	0.19	1.45:1	0.68	1.50:1	0.96
minibend K-3.5HT	3.50±.13 [88.9±3.3]	1.20:1	0.21	1.45:1	0.74	1.50:1	1.03
minibend K-4HT	4.00±.13 [101.6±3.3]	1.20:1	0.23	1.45:1	0.80	1.50:1	1.10
minibend K-4.5HT	4.50±.13 [114.3±3.3]	1.20:1	0.24	1.45:1	0.86	1.50:1	1.17
minibend K-5HT	5.00±.13 [127.0±3.3]	1.20:1	0.26	1.45:1	0.92	1.50:1	1.25
minibend K-5.5HT	5.50±.13 [139.7±3.3]	1.20:1	0.27	1.45:1	0.98	1.50:1	1.32
minibend K-6HT	6.00±.13 [152.4±3.3]	1.20:1	0.29	1.45:1	1.04	1.50:1	1.39
minibend K-7HT	7.00±.13 [177.8±3.3]	1.20:1	0.32	1.45:1	1.17	1.50:1	1.54
minibend K-8HT	8.00±.13 [203.2±3.3]	1.20:1	0.35	1.45:1	1.29	1.50:1	1.68
minibend K-9HT	9.00±.13 [228.6±3.3]	1.20:1	0.38	1.45:1	1.41	1.50:1	1.83
minibend K-10HT	10.00±.13 [254.0±3.3]	1.20:1	0.41	1.45:1	1.53	1.50:1	1.97
minibend K-11HT	11.00±.13 [279.4±3.3]	1.20:1	0.44	1.45:1	1.65	1.50:1	2.12
minibend K-12HT	12.00±.13 [304.8±3.3]	1.20:1	0.47	1.45:1	1.78	1.50:1	2.26
minibend K-13HT	13.00±.13 [330.2±3.3]	1.20:1	0.50	1.45:1	1.90	1.50:1	2.41
minibend K-14HT	14.00±.13 [355.6±3.3]	1.20:1	0.53	1.45:1	2.02	1.50:1	2.55
minibend K-15HT	15.00±.13 [381.0±3.3]	1.20:1	0.57	1.45:1	2.14	1.50:1	2.70
minibend K-16HT	16.00±.13 [406.4±3.3]	1.20:1	0.60	1.45:1	2.26	1.50:1	2.84
minibend K- HT							

**NOTES:**

- DESCRIPTION,  
CABLE ASSEMBLY, 100% ROHS COMPLIANT  
2.9mm PLUG TO 2.9mm PLUG.
- CABLE,  
COAXIAL CABLE H+S Astrolab P/N 32081  
MEETS OR EXCEEDS MIL-DTL-17  
SEE H+S Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 100% ROHS COMPLIANT 2.9mm PLUG:  
H+S Astrolab P/N 29094HTKC-32-81  
IAW MIL-STD-348.  
SEE H+S Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.9mm PLUG:  
SAME AS CONNECTOR -A-.

**NOTES CONTINUED:**

- MARKING:  
APPROXIMATELY CENTERED AND DIRECTLY  
ON CABLE AS FOLLOWS:  
minibend K-XXHT YYWW  
NO MARKING ON CABLE ASSEMBLIES  
2.50" OR SHORTER. MARKING WILL  
BE DONE ON PACKING 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 [67 N].

**ROHS 6 COMPLIANT**

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.	EF	09/01/10
ELEC.	RF	09/01/10
MECH.	GSG	09/01/10
Q.C.		

**HUBER+SUHNER**  
**Astrolab**

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

TITLE <b>100% ROHS COMPLIANT, minibend, CABLE ASSEMBLY, 2.9mm PLUG TO 2.9mm PLUG</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 1:1	CODE IDENT. 16301	DWG NO. minibend K-XXHT	REV B
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B	COMPANY LOGO UPDATE	01/15/13	EF	ENG?
REV.	DESCRIPTION	DATE	BY	APPROVED