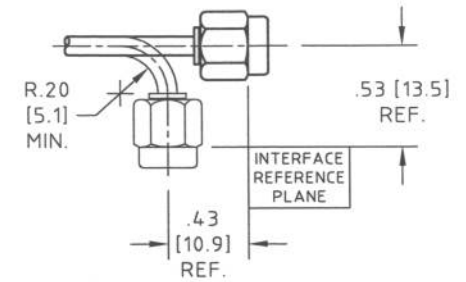
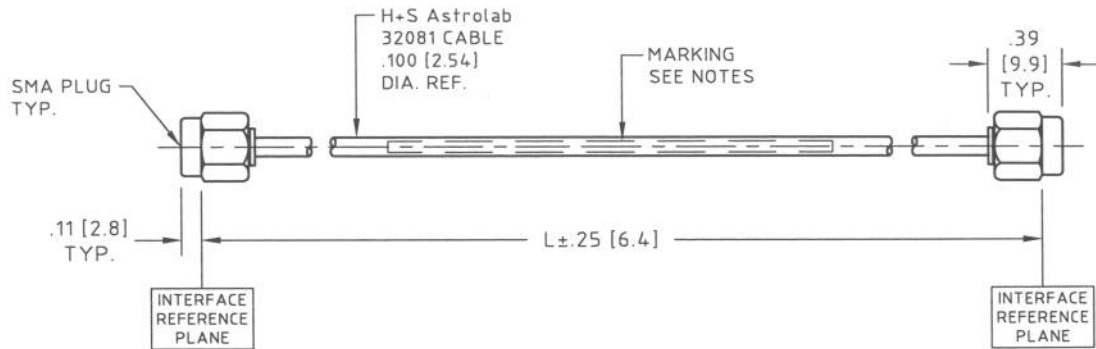


# CONTROL DRAWING

minibend-xxHT

J



SHOWN ABOVE IS TYPICAL INSTALLATION.

H+S Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		12.4 GHz		18.0 GHz		24.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend-2HT	2.00 [50.8]	1.20:1	0.16	1.25:1	0.32	1.35:1	0.46	1.40:1	0.53
minibend-2.5HT	2.50 [63.5]	1.20:1	0.18	1.25:1	0.36	1.35:1	0.50	1.40:1	0.57
minibend-3HT	3.00 [76.2]	1.20:1	0.19	1.25:1	0.39	1.35:1	0.53	1.40:1	0.61
minibend-3.5HT	3.50 [88.9]	1.20:1	0.21	1.25:1	0.44	1.35:1	0.60	1.40:1	0.70
minibend-4HT	4.00 [101.6]	1.20:1	0.22	1.25:1	0.48	1.35:1	0.63	1.40:1	0.73
minibend-4.5HT	4.50 [114.3]	1.20:1	0.24	1.25:1	0.54	1.35:1	0.70	1.40:1	0.82
minibend-5HT	5.00 [127.0]	1.20:1	0.26	1.25:1	0.57	1.35:1	0.75	1.40:1	0.87
minibend-5.5HT	5.50 [139.7]	1.20:1	0.27	1.25:1	0.62	1.35:1	0.80	1.40:1	0.93
minibend-6HT	6.00 [152.4]	1.20:1	0.29	1.25:1	0.65	1.35:1	0.85	1.40:1	0.99
minibend-6.5HT	6.50 [165.1]	1.20:1	0.30	1.25:1	0.70	1.35:1	0.90	1.40:1	1.04
minibend-7HT	7.00 [177.8]	1.20:1	0.32	1.25:1	0.74	1.35:1	0.95	1.40:1	1.10
minibend-8HT	8.00 [203.2]	1.20:1	0.35	1.25:1	0.82	1.35:1	1.05	1.40:1	1.22
minibend-9HT	9.00 [228.6]	1.20:1	0.38	1.25:1	0.91	1.35:1	1.15	1.40:1	1.35
minibend-10HT	10.00 [254.0]	1.20:1	0.41	1.25:1	0.98	1.35:1	1.24	1.40:1	1.46
minibend-11HT	11.00 [279.4]	1.20:1	0.44	1.25:1	1.07	1.35:1	1.34	1.40:1	1.58
minibend-12HT	12.00 [304.8]	1.20:1	0.47	1.25:1	1.15	1.35:1	1.42	1.40:1	1.68
minibend-13HT	13.00 [330.2]	1.20:1	0.50	1.25:1	1.23	1.35:1	1.53	1.40:1	1.81
minibend-14HT	14.00 [355.6]	1.20:1	0.53	1.25:1	1.30	1.35:1	1.62	1.40:1	1.92
minibend-15HT	15.00 [381.0]	1.20:1	0.57	1.25:1	1.40	1.35:1	1.73	1.40:1	2.04
minibend-16HT	16.00 [406.4]	1.20:1	0.60	1.25:1	1.47	1.35:1	1.82	1.40:1	2.15
minibend- HT									

NOTES:

- DESCRIPTION,  
CABLE ASSEMBLY, 100% ROHS COMPLIANT SMA PLUG TO SMA 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 SMA PLUG:  
H+S Astrolab P/N 29094HTC-32-81 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:  
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

- MARKING:  
APPROXIMATELY CENTERED AND DIRECTLY ON CABLE AS FOLLOWS:  
minibend-XXHT YYWW  
NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 2.50".  
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	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

	NAME	DATE
PREP.	EF	07/30/08
ELEC.	RF	07/30/08
MECH.	GSG	07/30/08
Q.C.		

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

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TITLE <b>100% ROHS COMPLIANT minibend CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.</b>		SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend-xxHT	REV J
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.					

J	"-55°C TO +125°" " WAS "-45°C TO +85°"	01/24/13	EF	[Signature]
REV.	DESCRIPTION	DATE	BY	APPROVED

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