

CONTROL DRAWING

microbend MSR-XX

H+S Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.0 GHz		18.0 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend MSR-2.5	2.50 (63.5)	1.25:1	0.30	1.35:1	0.60	1.45:1	0.74	1.65:1	1.27
microbend MSR-3	3.00 (76.2)	1.25:1	0.32	1.35:1	0.65	1.45:1	0.81	1.65:1	1.36
microbend MSR-3.5	3.50 (88.9)	1.25:1	0.33	1.35:1	0.70	1.45:1	0.87	1.65:1	1.46
microbend MSR-4	4.00 (101.6)	1.25:1	0.35	1.35:1	0.75	1.45:1	0.93	1.65:1	1.55
microbend MSR-4.5	4.50 (114.3)	1.25:1	0.37	1.35:1	0.80	1.45:1	0.99	1.65:1	1.64
microbend MSR-5	5.00 (127.0)	1.25:1	0.39	1.35:1	0.85	1.45:1	1.05	1.65:1	1.74
microbend MSR-5.5	5.50 (139.7)	1.25:1	0.41	1.35:1	0.90	1.45:1	1.11	1.65:1	1.83
microbend MSR-6	6.00 (152.4)	1.25:1	0.43	1.35:1	0.95	1.45:1	1.17	1.65:1	1.93
microbend MSR-7	7.00 (177.8)	1.25:1	0.47	1.35:1	1.04	1.45:1	1.29	1.65:1	2.11
microbend MSR-8	8.00 (203.2)	1.25:1	0.51	1.35:1	1.14	1.45:1	1.41	1.65:1	2.30
microbend MSR-9	9.00 (228.6)	1.25:1	0.55	1.35:1	1.24	1.45:1	1.54	1.65:1	2.49
microbend MSR-10	10.00 (254.0)	1.25:1	0.58	1.35:1	1.34	1.45:1	1.66	1.65:1	2.68
microbend MSR-11	11.00 (279.4)	1.25:1	0.62	1.35:1	1.43	1.45:1	1.78	1.65:1	2.86
microbend MSR-12	12.00 (304.8)	1.25:1	0.66	1.35:1	1.53	1.45:1	1.90	1.65:1	3.05
microbend MSR-									

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMPM FEMALE TO SMP FEMALE RUGGEDIZED. SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BENT AT THE MINIMUM BEND RADIUS, microbend MSR WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32041E. MEETS OR EXCEEDS MIL-DTL-17. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMPM FEMALE:
H+S Astrolab P/N 29971CR-32-41 IAW MIL-STD-348. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMP FEMALE:
H+S Astrolab P/N 29473CR-32-41 IAW MIL-STD-348. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

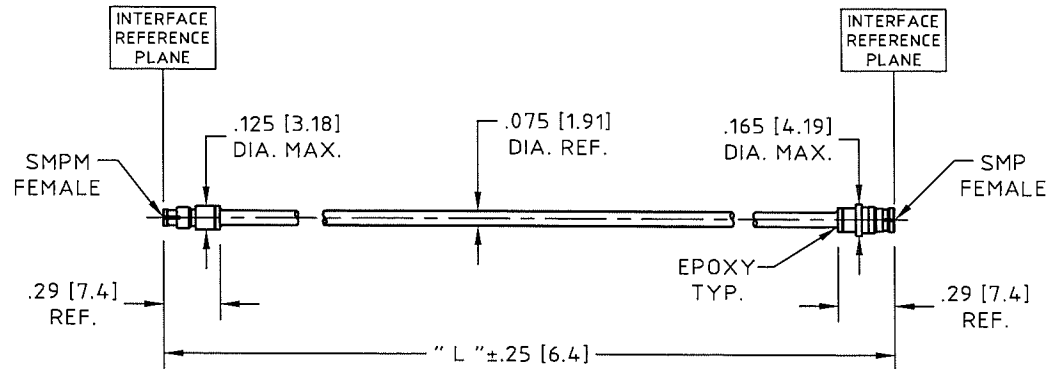
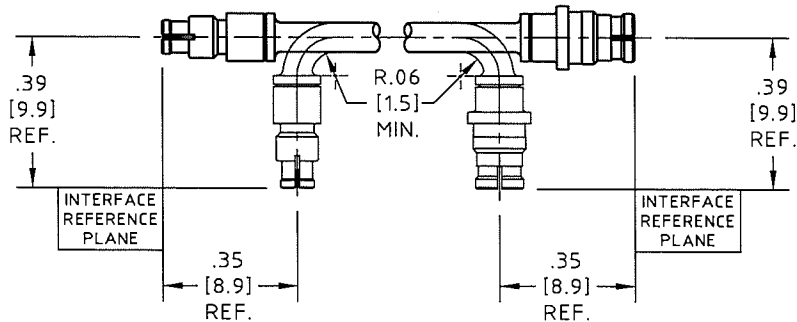
NOTES CONTINUED:

- MARKING:
DIRECTLY ON CABLE, NONE. 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. MECHANICAL PERFORMANCE, GUARANTEED 10.0 LBS. [45.0 N] PULL FORCE.

C

ROHS 5/6 COMPLIANT

SHOWN BELOW IS TYPICAL INSTALLATION
SCALE: 2:1



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°

NAME	DATE
PREP. EB	02/18/11
ELEC. RF	02/18/11
MECH. GSG	02/19/11
Q.C.	



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

TITLE
CABLE ASSEMBLY, SMPM FEMALE TO SMP FEMALE

C	COMPANY LOGO UPDATED	01/15/13	ENG 4	GS	
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. microbend MSR-XX	REV C
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DO NOT SCALE DRAWING