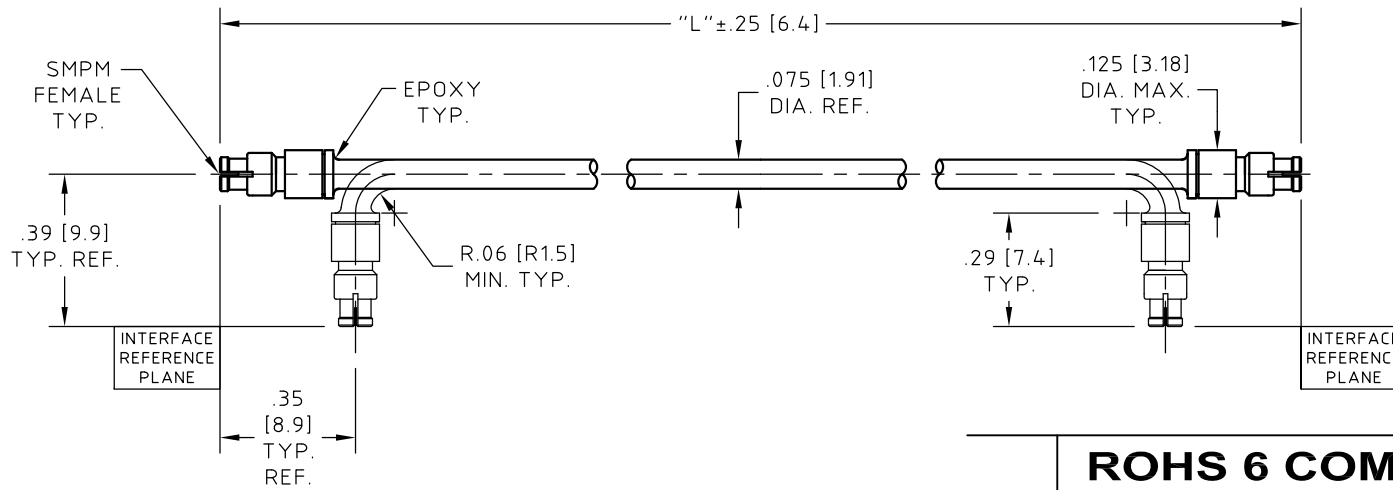


CONTROL DRAWING

microbend 2MR-XX

N



ROHS 6 COMPLIANT

HUBER+SUHNER 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 2MR-2.5	2.50 (63.5)	1.25:1	0.30	1.35:1	0.60	1.50:1	0.74	1.65:1	1.27
microbend 2MR-3	3.00 (76.2)	1.25:1	0.32	1.35:1	0.65	1.50:1	0.81	1.65:1	1.36
microbend 2MR-3.5	3.50 (88.9)	1.25:1	0.33	1.35:1	0.70	1.50:1	0.87	1.65:1	1.46
microbend 2MR-4	4.00 (101.6)	1.25:1	0.35	1.35:1	0.75	1.50:1	0.93	1.65:1	1.55
microbend 2MR-4.5	4.50 (114.3)	1.25:1	0.37	1.35:1	0.80	1.50:1	0.99	1.65:1	1.64
microbend 2MR-5	5.00 (127.0)	1.25:1	0.39	1.35:1	0.85	1.50:1	1.05	1.65:1	1.74
microbend 2MR-5.5	5.50 (139.7)	1.25:1	0.41	1.35:1	0.90	1.50:1	1.11	1.65:1	1.83
microbend 2MR-6	6.00 (152.4)	1.25:1	0.43	1.35:1	0.95	1.50:1	1.17	1.65:1	1.93
microbend 2MR-7	7.00 (177.8)	1.25:1	0.47	1.35:1	1.04	1.50:1	1.29	1.65:1	2.11
microbend 2MR-8	8.00 (203.2)	1.25:1	0.51	1.35:1	1.14	1.50:1	1.41	1.65:1	2.30
microbend 2MR-9	9.00 (228.6)	1.25:1	0.55	1.35:1	1.24	1.50:1	1.54	1.65:1	2.49
microbend 2MR-10	10.00 (254.0)	1.25:1	0.58	1.35:1	1.34	1.50:1	1.66	1.65:1	2.68
microbend 2MR-11	11.00 (279.4)	1.25:1	0.62	1.35:1	1.43	1.50:1	1.78	1.65:1	2.86
microbend 2MR-12	12.00 (304.8)	1.25:1	0.66	1.35:1	1.53	1.50:1	1.90	1.65:1	3.05
microbend 2MR-		1.25:1		1.35:1		1.50:1		1.65:1	

NOTES:

1. DESCRIPTION,
CABLE ASSEMBLY, SMPM FEMALE TO SMPM 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.
2. 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.
3. CONNECTOR -A-, SMPM FEMALE:
HUBER+SUHNER Astrolab P/N 29971CR-32-41
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, SMPM FEMALE:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

5. MARKING:
ALL MARKING WILL BE DONE ON PACKAGING.
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 10.0 LBS. [44.5 N].
8. ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = 1.46 dB/FT. X L(ft.)+.44 dB
8B. CALCULATE AT 40.0 GHz
(dB) = 2.25 dB/FT. X L(ft.)+.80 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. A.P.	07/15/03
ELEC. R.F.	07/15/03
MECH. G.S.G.	07/15/03
Q.C. A.G.	07/15/03

HUBER+SUHNER
Astrolab

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 SMPM FEMALE	
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 2:1	CODE IDENT. 16301	DWG NO. microbend 2MR-XX
REV. N	ECN No. 15588	DATE 05/28/13	BY EB
DESCRIPTION	DATE	BY	APPROVED