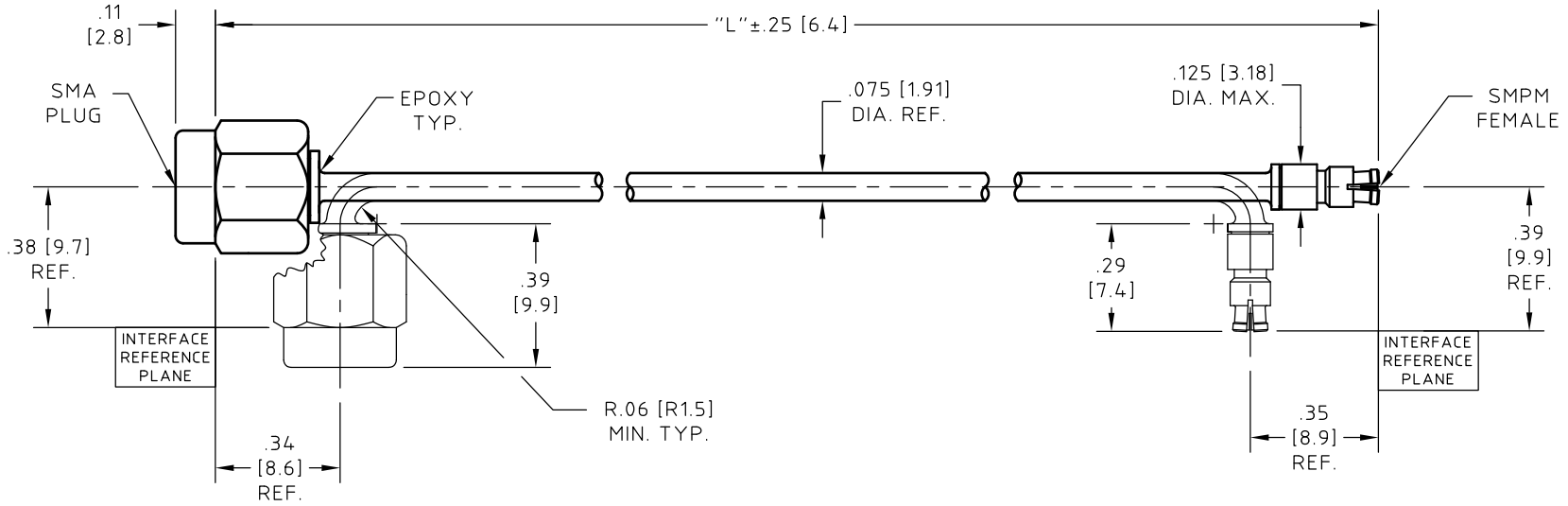
RUPP tronik
Beratung und Vertrieb • HF- und Mikrowellentechnik

CONTROL DRAWING

microbend MR-XX

M



HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend MR-2.5	2.50 (63.5)	1.25:1	0.26	1.45:1	0.66	1.50:1	0.81
microbend MR-3	3.00 (76.2)	1.25:1	0.28	1.45:1	0.72	1.50:1	0.88
microbend MR-3.5	3.50 (88.9)	1.25:1	0.29	1.45:1	0.78	1.50:1	0.96
microbend MR-4	4.00 (101.6)	1.25:1	0.31	1.45:1	0.84	1.50:1	1.03
microbend MR-4.5	4.50 (114.3)	1.25:1	0.33	1.45:1	0.90	1.50:1	1.11
microbend MR-5	5.00 (127.0)	1.25:1	0.35	1.45:1	0.96	1.50:1	1.18
microbend MR-5.5	5.50 (139.7)	1.25:1	0.37	1.45:1	1.02	1.50:1	1.26
microbend MR-6	6.00 (152.4)	1.25:1	0.39	1.45:1	1.09	1.50:1	1.33
microbend MR-7	7.00 (177.8)	1.25:1	0.43	1.45:1	1.21	1.50:1	1.48
microbend MR-8	8.00 (203.2)	1.25:1	0.47	1.45:1	1.33	1.50:1	1.63
microbend MR-9	9.00 (228.6)	1.25:1	0.51	1.45:1	1.45	1.50:1	1.78
microbend MR-10	10.00 (254.0)	1.25:1	0.54	1.45:1	1.57	1.50:1	1.93
microbend MR-11	11.00 (279.4)	1.25:1	0.58	1.45:1	1.69	1.50:1	2.08
microbend MR-12	12.00 (304.8)	1.25:1	0.62	1.45:1	1.81	1.50:1	2.23
microbend MR-		1.25:1		1.45:1		1.50:1	

SEE NOTE 8

NOTES:

1. DESCRIPTION,
   CABLE ASSEMBLY, SMA PLUG 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-, SMA PLUG:
   HUBER+SUHNER Astrolab P/N 29094CR-32-41
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER+SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

4. CONNECTOR -B-, 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.

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) = 1.45 dB/FT. X L(ft.)+.36 dB
   8B. CALCULATE AT 26.5 GHz
   (dB) = 1.80 dB/FT. X L(ft.)+.43 dB

NOT RoHS COMPLIANT

	NAME	DATE
PREP.	AP	11/20/03
ELEC.	RF	11/21/03
MECH.	GSG	11/21/03
Q.C.	AG	11/21/03

HUBER+SUHNER
Astrolab

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

TITLE

CABLE ASSEMBLY, SMA PLUG 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	CODE IDENT.	DWG NO.	REV
2:1	16301	microbend MR-XX	M

REV.	DESCRIPTION	DATE	BY	APPROVED
M	RoHS STATUS UPDATE	12/12/17	GS	