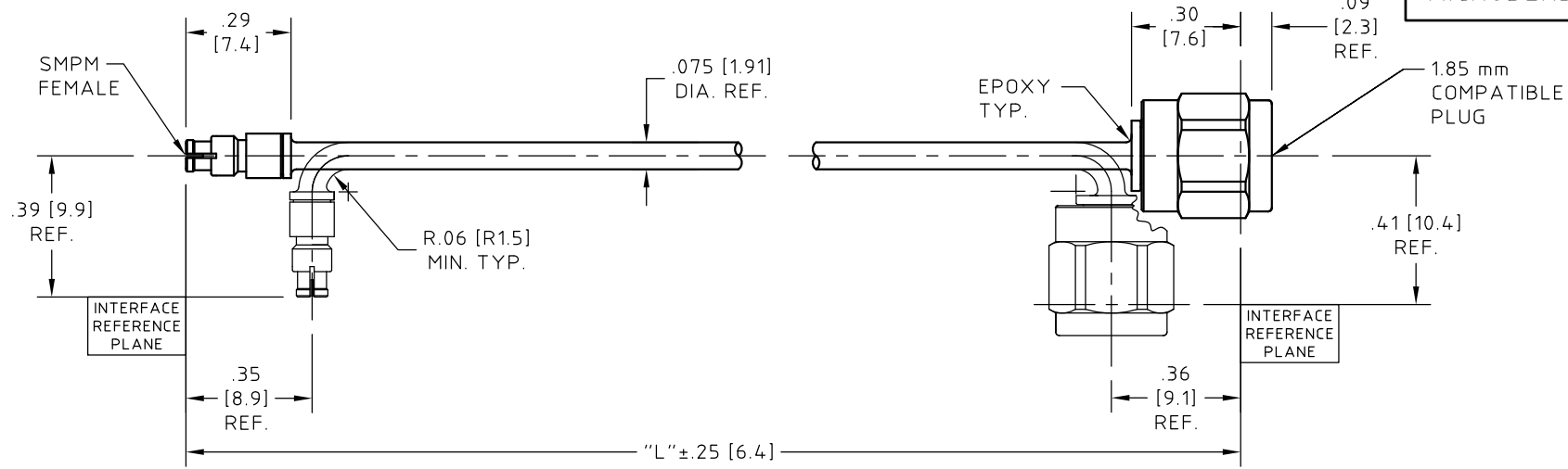


CONTROL DRAWING

MICROBEND MVR-xx



NOTES CONTINUED:

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	12.4 GHz		18.0 GHz		40.0 GHz		65.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
MICROBEND MVR-2.5	2.50 (63.5)	1.33:1	0.51	1.40:1	0.62	1.60:1	1.07	1.80:1	1.42
MICROBEND MVR-3	3.00 (76.2)	1.33:1	0.56	1.40:1	0.68	1.60:1	1.16	1.80:1	1.54
MICROBEND MVR-3.5	3.50 (88.9)	1.33:1	0.61	1.40:1	0.74	1.60:1	1.26	1.80:1	1.66
MICROBEND MVR-4	4.00 (101.6)	1.33:1	0.66	1.40:1	0.80	1.60:1	1.35	1.80:1	1.79
MICROBEND MVR-4.5	4.50 (114.3)	1.33:1	0.71	1.40:1	0.86	1.60:1	1.44	1.80:1	1.91
MICROBEND MVR-5	5.00 (127.0)	1.33:1	0.76	1.40:1	0.92	1.60:1	1.54	1.80:1	2.03
MICROBEND MVR-5.5	5.50 (139.7)	1.33:1	0.81	1.40:1	0.98	1.60:1	1.63	1.80:1	2.16
MICROBEND MVR-6	6.00 (152.4)	1.33:1	0.86	1.40:1	1.05	1.60:1	1.73	1.80:1	2.28
MICROBEND MVR-7	7.00 (177.8)	1.33:1	0.95	1.40:1	1.17	1.60:1	1.91	1.80:1	2.53
MICROBEND MVR-8	8.00 (203.2)	1.33:1	1.05	1.40:1	1.29	1.60:1	2.10	1.80:1	2.77
MICROBEND MVR-9	9.00 (228.6)	1.33:1	1.15	1.40:1	1.41	1.60:1	2.29	1.80:1	3.02
MICROBEND MVR-10	10.00 (254.0)	1.33:1	1.25	1.40:1	1.53	1.60:1	2.48	1.80:1	3.27
MICROBEND MVR-11	11.00 (279.4)	1.33:1	1.35	1.40:1	1.65	1.60:1	2.66	1.80:1	3.51
MICROBEND MVR-12	12.00 (304.8)	1.33:1	1.45	1.40:1	1.77	1.60:1	2.85	1.80:1	3.76
MICROBEND MVR-									

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMPM FEMALE TO 1.85mm COMPATIBLE PLUG.
THE CABLE ASSMBLY IS, RUGGEDIZED AND SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BENT AT THE MINIMUM BEND RADIUS, THE ASSEMBLY WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32041E. (HIGH PERFORMANCE) astro - STEEL - flex I. MEETS OR EXCEEDS MIL-DTL-17. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMPM FEMALE:
HUBER+SUHNER Astrolab P/N 29971CR-32-41 IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

- CONNECTOR -B-, 1.85mm COMPATIBLE PLUG:
HUBER+SUHNER Astrolab P/N 29890CR-32-41-2 SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- MARKING:
DIRECTLY ON CABLE, NONE. ALL MARKING WILL BE DONE ON PACKAGING.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE, 50.0 Ohms NOMINAL.
FREQUENCY, OPERATING, 70.0 GHz MAX. TESTED TO 65.0 GHz.
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.

ROHS 5/6 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. AP	10/31/03
ELEC. RF	11/17/03
MECH. GSG	11/17/03
Q.C. AG	11/17/03

HUBER+SUHNER
Astrolab

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TITLE CABLE ASSEMBLY, SMPM FEMALE TO 1.85mm COMPATIBLE PLUG		SCALE 2:1	CODE IDENT. 16301	DWG NO. MICROBEND MVR-xx	REV L
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.					

L	ECN No. 15767	08/26/13	GSG	
REV.	DESCRIPTION	DATE	BY	APPROVED