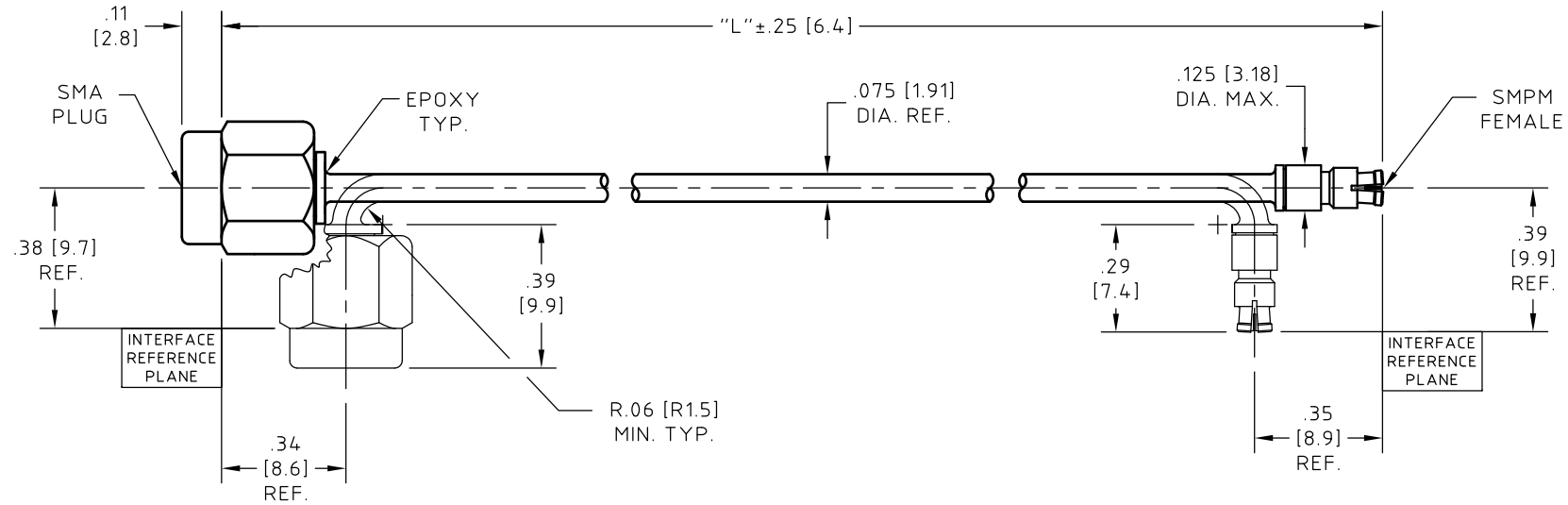


CONTROL DRAWING

microbend MR-XX



NOTES:

- 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.
- 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.
- 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.
- 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:

- MARKING:**
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. PULL STRENGTH TO 10.0 LBS. [44.5 N].
- 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

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

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	11/20/03
ELEC. RF	11/21/03
MECH. GSG	11/21/03
Q.C. AG	11/21/03



HUBER+SUHNER
Astrolab

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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.
	2:1	16301	microbend MR-XX
REV. L			

L	ECN No. 15788	09/05/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED