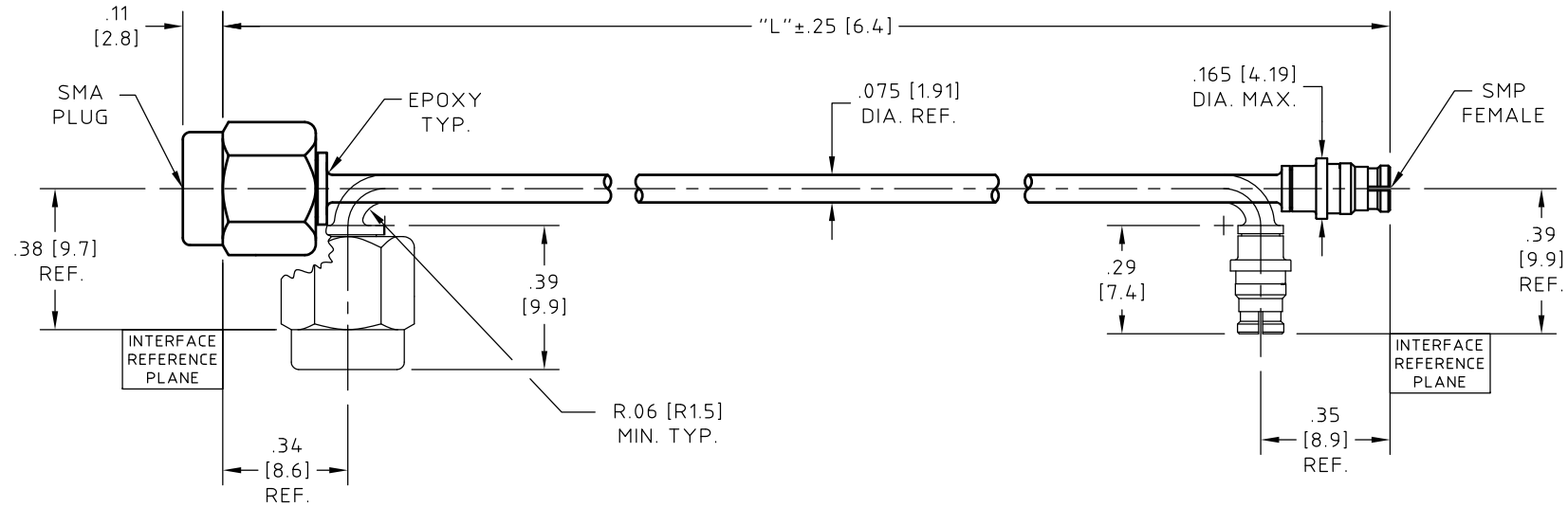


CONTROL DRAWING

microbend SR-XX



NOTES:

1. DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMP 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-, SMP FEMALE:
HUBER+SUHNER Astrolab P/N 29473CR-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 12.4 GHz
(dB) = 1.17 dB/FT. X L(ft.)+.26 dB
8B. CALCULATE AT 20.0 GHz
(dB) = 1.54 dB/FT. X L(ft.)+.40 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		20.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend SR-2.5	2.50 (63.5)	1.25:1	0.25	1.32:1	0.49	1.45:1	0.72
microbend SR-3	3.00 (76.2)	1.25:1	0.27	1.32:1	0.54	1.45:1	0.79
microbend SR-3.5	3.50 (88.9)	1.25:1	0.28	1.32:1	0.59	1.45:1	0.85
microbend SR-4	4.00 (101.6)	1.25:1	0.30	1.32:1	0.64	1.45:1	0.91
microbend SR-4.5	4.50 (114.3)	1.25:1	0.32	1.32:1	0.69	1.45:1	0.98
microbend SR-5	5.00 (127.0)	1.25:1	0.34	1.32:1	0.74	1.45:1	1.04
microbend SR-5.5	5.50 (139.7)	1.25:1	0.36	1.32:1	0.79	1.45:1	1.11
microbend SR-6	6.00 (152.4)	1.25:1	0.38	1.32:1	0.84	1.45:1	1.17
microbend SR-6.5	6.50 (165.1)	1.25:1	0.40	1.32:1	0.88	1.45:1	1.23
microbend SR-7	7.00 (177.8)	1.25:1	0.42	1.32:1	0.93	1.45:1	1.30
microbend SR-8	8.00 (203.2)	1.25:1	0.46	1.32:1	1.03	1.45:1	1.43
microbend SR-9	9.00 (228.6)	1.25:1	0.50	1.32:1	1.13	1.45:1	1.56
microbend SR-10	10.00 (254.0)	1.25:1	0.53	1.32:1	1.23	1.45:1	1.68
microbend SR-11	11.00 (279.4)	1.25:1	0.57	1.32:1	1.33	1.45:1	1.81
microbend SR-12	12.00 (304.8)	1.25:1	0.61	1.32:1	1.43	1.45:1	1.94
microbend SR-		1.25:1		1.32:1		1.45:1	

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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CABLE ASSEMBLY, SMA PLUG TO SMP 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 SR-XX
TITLE	REV. L		

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