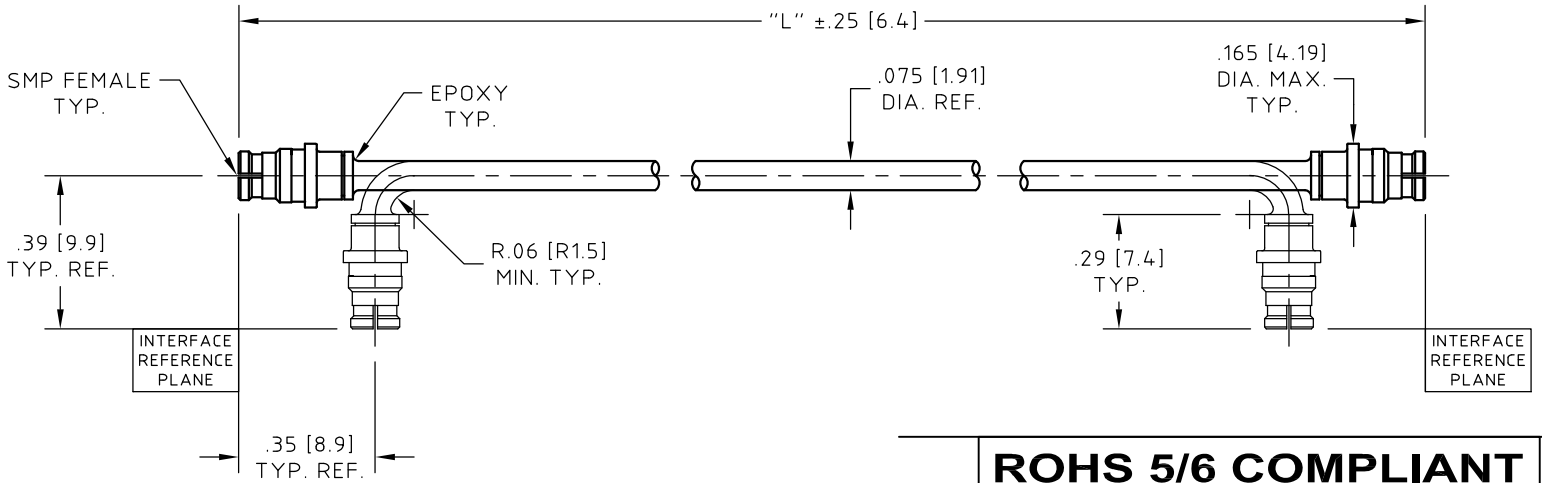
CONTROL DRAWING

microbend 2SR-XX

L



ROHS 5/6 COMPLIANT

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend 2SR-2	2.00 [50.8]	1.25:1	0.27	1.35:1	0.55	1.50:1	0.69
microbend 2SR-2.5	2.50 [63.5]	1.25:1	0.29	1.35:1	0.60	1.50:1	0.75
microbend 2SR-3	3.00 [76.2]	1.25:1	0.31	1.35:1	0.65	1.50:1	0.81
microbend 2SR-3.5	3.50 [88.9]	1.25:1	0.32	1.35:1	0.70	1.50:1	0.87
microbend 2SR-4	4.00 [101.6]	1.25:1	0.34	1.35:1	0.75	1.50:1	0.93
microbend 2SR-4.5	4.50 [114.3]	1.25:1	0.36	1.35:1	0.80	1.50:1	0.99
microbend 2SR-5	5.00 [127.0]	1.25:1	0.38	1.35:1	0.85	1.50:1	1.05
microbend 2SR-5.5	5.50 [139.7]	1.25:1	0.40	1.35:1	0.90	1.50:1	1.11
microbend 2SR-6	6.00 [152.4]	1.25:1	0.42	1.35:1	0.95	1.50:1	1.18
microbend 2SR-6.5	6.50 [165.1]	1.25:1	0.44	1.35:1	1.00	1.50:1	1.24
microbend 2SR-7	7.00 [177.8]	1.25:1	0.46	1.35:1	1.04	1.50:1	1.30
microbend 2SR-8	8.00 [203.2]	1.25:1	0.50	1.35:1	1.14	1.50:1	1.42
microbend 2SR-9	9.00 [228.6]	1.25:1	0.54	1.35:1	1.24	1.50:1	1.54
microbend 2SR-10	10.00 [254.0]	1.25:1	0.57	1.35:1	1.34	1.50:1	1.66
microbend 2SR-11	11.00 [279.4]	1.25:1	0.61	1.35:1	1.43	1.50:1	1.78
microbend 2SR-12	12.00 [304.8]	1.25:1	0.65	1.35:1	1.53	1.50:1	1.90
microbend 2SR-13	13.00 [330.2]	1.25:1	0.69	1.35:1	1.64	1.50:1	2.02
microbend 2SR-14	14.00 [355.6]	1.25:1	0.73	1.35:1	1.75	1.50:1	2.14
microbend 2SR-15	15.00 [381.0]	1.25:1	0.76	1.35:1	1.85	1.50:1	2.26
microbend 2SR-16	16.00 [406.4]	1.25:1	0.80	1.35:1	1.95	1.50:1	2.38
microbend 2SR-		1.25:1		1.35:1		1.50:1	

SEE NOTE 8

NOTES:

1. DESCRIPTION,
   CABLE ASSEMBLY, SMP FEMALE 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-, 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.

4. CONNECTOR -B-, SMP 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,
   40.0 GHz MAX.
   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) = 1.19 dB/FT. X L(ft.)+.34 dB
   8B. CALCULATE AT 18.0 GHz
   (dB) = 1.46 dB/FT. X L(ft.)+.44 dB

	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, SMP FEMALE 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	CODE IDENT.	DWG NO.	REV
2:1	16301	microbend 2SR-XX	L

REV.	DESCRIPTION	DATE	BY	APPROVED
L	NOTES UPDATED	01/28/14	GS	