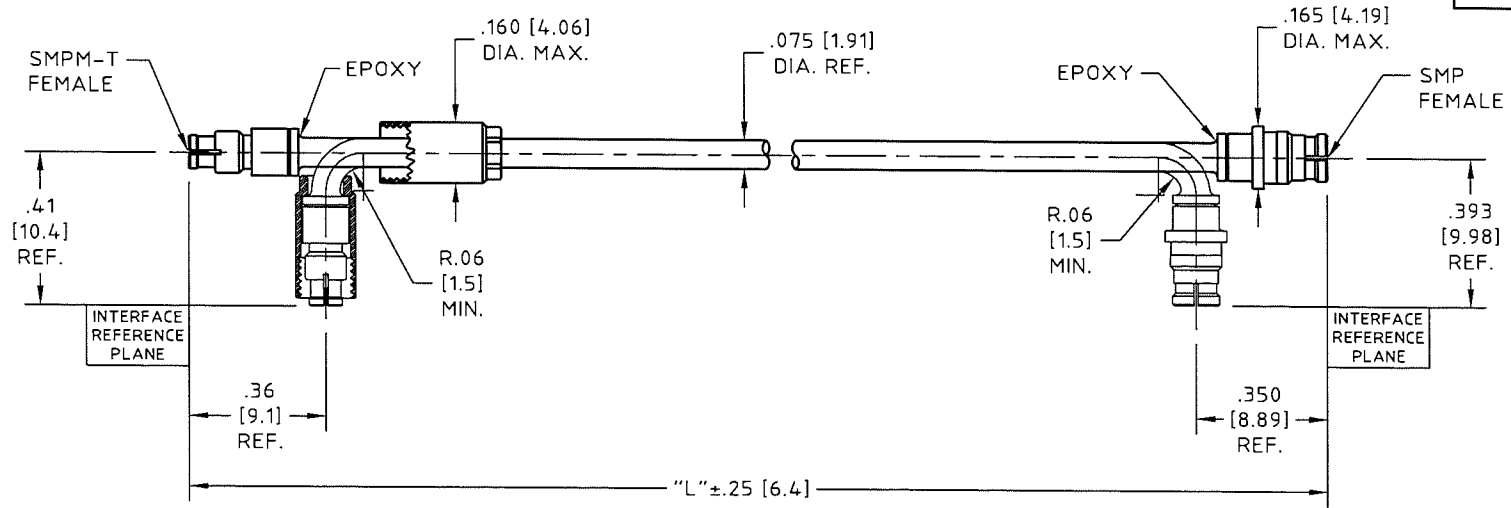


CONTROL DRAWING

microbend TSR-xx

B



H+S Astrolab PART NUMBER	DIMENSION "L" IN.	2.0 GHz		12.0 GHz		18.0 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend TSR-2.5	2.50 (63.5)	1.25:1	0.30	1.35:1	0.60	1.45:1	0.74	1.65:1	1.27
microbend TSR-3	3.00 (76.2)	1.25:1	0.32	1.35:1	0.65	1.45:1	0.81	1.65:1	1.36
microbend TSR-3.5	3.50 (88.9)	1.25:1	0.33	1.35:1	0.70	1.45:1	0.87	1.65:1	1.46
microbend TSR-4	4.00 (101.6)	1.25:1	0.35	1.35:1	0.75	1.45:1	0.93	1.65:1	1.55
microbend TSR-4.5	4.50 (114.3)	1.25:1	0.37	1.35:1	0.80	1.45:1	0.99	1.65:1	1.64
microbend TSR-5	5.00 (127.0)	1.25:1	0.39	1.35:1	0.85	1.45:1	1.05	1.65:1	1.74
microbend TSR-5.5	5.50 (139.7)	1.25:1	0.41	1.35:1	0.90	1.45:1	1.11	1.65:1	1.83
microbend TSR-6	6.00 (152.4)	1.25:1	0.43	1.35:1	0.95	1.45:1	1.17	1.65:1	1.93
microbend TSR-7	7.00 (177.8)	1.25:1	0.47	1.35:1	1.04	1.45:1	1.29	1.65:1	2.11
microbend TSR-8	8.00 (203.2)	1.25:1	0.51	1.35:1	1.14	1.45:1	1.41	1.65:1	2.30
microbend TSR-9	9.00 (228.6)	1.25:1	0.55	1.35:1	1.24	1.45:1	1.54	1.65:1	2.49
microbend TSR-10	10.00 (254.0)	1.25:1	0.58	1.35:1	1.34	1.45:1	1.66	1.65:1	2.68
microbend TSR-11	11.00 (279.4)	1.25:1	0.62	1.35:1	1.43	1.45:1	1.78	1.65:1	2.86
microbend TSR-12	12.00 (304.8)	1.25:1	0.66	1.35:1	1.53	1.45:1	1.90	1.65:1	3.05
microbend TSR-									

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMPM-T FEMALE TO SMP FEMALE.
THE CABLE ASSEMBLY IS RUGGEDIZED AND IT IS SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS.
WHEN INSTALLED AND BENT AT THE MINIMUM BEND RADIUS, microbend TSR WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE-CONNECTOR JUNCTION.
MECHANICAL PERFORMANCE:
GUARANTEED 10 LBS. [45 N] PULL FORCE.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32041E MEETS OR EXCEEDS MIL-DTL-17.
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMPM-T FEMALE:
H+S Astrolab P/N 29971TCR-32-41 IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

- CONNECTOR -B-, SMP FEMALE:
H+S Astrolab P/N 29473CR-32-41 IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- MARKING:
ON PACKAGING AND IAW MIL-STD-130. UNLESS DIRECTED BY CUSTOMER, NO MARKING WILL BE DONE DIRECTLY ONTO THE CABLE ASSEMBLY.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE, 50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE -55°C TO +125°C.

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. EB	11/11/11
ELEC. RF	11/11/11
MECH. GSG	11/14/11
Q.C.	



THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE
SMPM-T FEMALE TO SMP FEMALE, microbend TYPE

B	COMPANY LOGO UPDATE	01/15/13	ENG EB							
REV.	DESCRIPTION	DATE	BY	APPROVED						
						THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUBL. TO HANDBOOK H 28.	SCALE 2:1	CODE IDENT. 16301	DWG NO. microbend TSR-xx	REV B