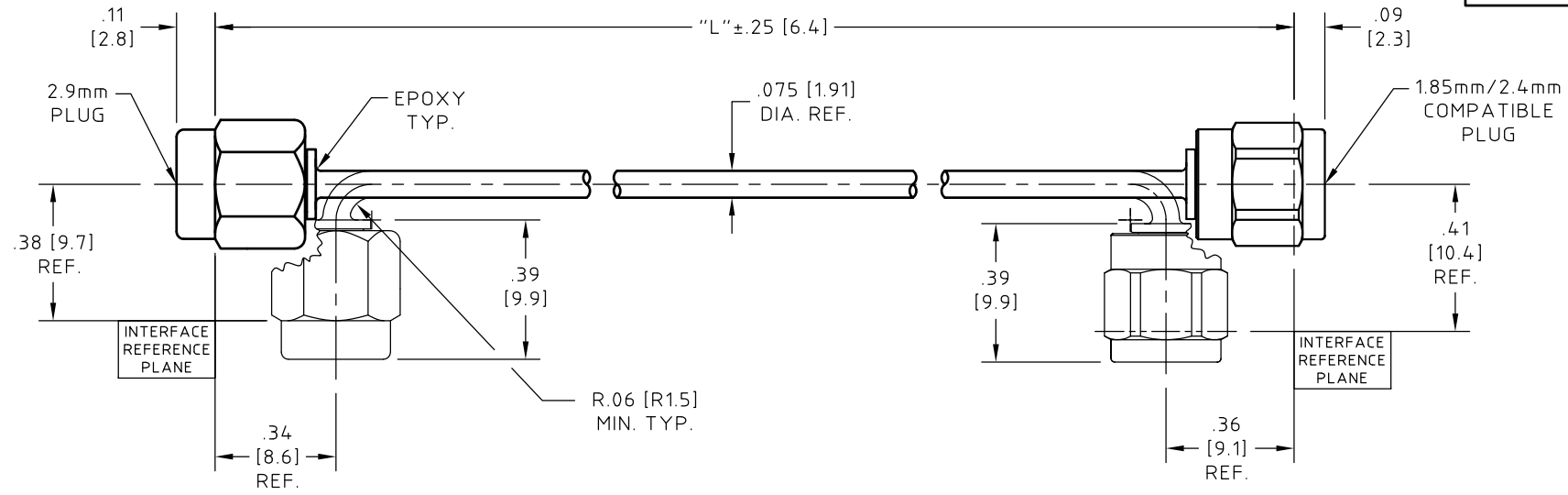


CONTROL DRAWING

microbend KV-XX

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HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		18.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend KV-2.5	2.50 (63.5)	1.20:1	0.21	1.37:1	0.58	1.45:1	0.72	1.55:1	0.99
microbend KV-3	3.00 (76.2)	1.20:1	0.23	1.37:1	0.64	1.45:1	0.80	1.55:1	1.08
microbend KV-3.5	3.50 (88.9)	1.20:1	0.25	1.37:1	0.70	1.45:1	0.87	1.55:1	1.18
microbend KV-4	4.00 (101.6)	1.20:1	0.27	1.37:1	0.76	1.45:1	0.95	1.55:1	1.27
microbend KV-4.5	4.50 (114.3)	1.20:1	0.29	1.37:1	0.82	1.45:1	1.03	1.55:1	1.36
microbend KV-5	5.00 (127.0)	1.20:1	0.31	1.37:1	0.88	1.45:1	1.10	1.55:1	1.46
microbend KV-5.5	5.50 (139.7)	1.20:1	0.33	1.37:1	0.95	1.45:1	1.18	1.55:1	1.55
microbend KV-6	6.00 (152.4)	1.20:1	0.35	1.37:1	1.01	1.45:1	1.25	1.55:1	1.65
microbend KV-7	7.00 (177.8)	1.20:1	0.38	1.37:1	1.13	1.45:1	1.39	1.55:1	1.83
microbend KV-8	8.00 (203.2)	1.20:1	0.42	1.37:1	1.25	1.45:1	1.54	1.55:1	2.02
microbend KV-9	9.00 (228.6)	1.20:1	0.46	1.37:1	1.37	1.45:1	1.69	1.55:1	2.21
microbend KV-10	10.00 (254.0)	1.20:1	0.50	1.37:1	1.49	1.45:1	1.84	1.55:1	2.40
microbend KV-11	11.00 (279.4)	1.20:1	0.53	1.37:1	1.61	1.45:1	1.99	1.55:1	2.58
microbend KV-12	12.00 (304.8)	1.20:1	0.57	1.37:1	1.73	1.45:1	2.14	1.55:1	2.77
microbend KV-13	13.00 (330.2)	1.20:1	0.61	1.37:1	1.85	1.45:1	2.29	1.55:1	2.96
microbend KV-14	14.00 (355.6)	1.20:1	0.65	1.37:1	1.97	1.45:1	2.44	1.55:1	3.15
microbend KV-15	15.00 (381.0)	1.20:1	0.68	1.37:1	2.09	1.45:1	2.59	1.55:1	3.33
microbend KV-16	16.00 (406.4)	1.20:1	0.72	1.37:1	2.21	1.45:1	2.74	1.55:1	3.52
microbend KV-		1.20:1		1.37:1		1.45:1		1.55:1	

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, 2.9mm PLUG TO 1.85mm/2.4mm COMPATIBLE PLUG, 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-, 2.9mm PLUG:
HUBER+SUHNER Astrolab P/N 29094KCR-32-41 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 1.85mm/2.4mm COMPATIBLE PLUG:
HUBER+SUHNER Astrolab P/N 29890CR-32-41-2 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 26.5 GHz
(dB) = 1.80 dB/FT. X L(ft.)+.34 dB
8B. CALCULATE AT 40.0 GHz
(dB) = 2.25 dB/FT. X L(ft.)+.52 dB

SEE NOTE 8

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. I S	09/10/04
ELEC. RF	09/10/04
MECH. GSG	09/10/04
Q.C. AG	09/10/04

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

ROHS 5/6 COMPLIANT

TITLE CABLE ASSEMBLY, 2.9mm PLUG TO 1.85mm/2.4mm PLUG		SCALE 2:1	CODE IDENT. 16301	DWG NO. microbend KV-XX	REV F
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.					

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