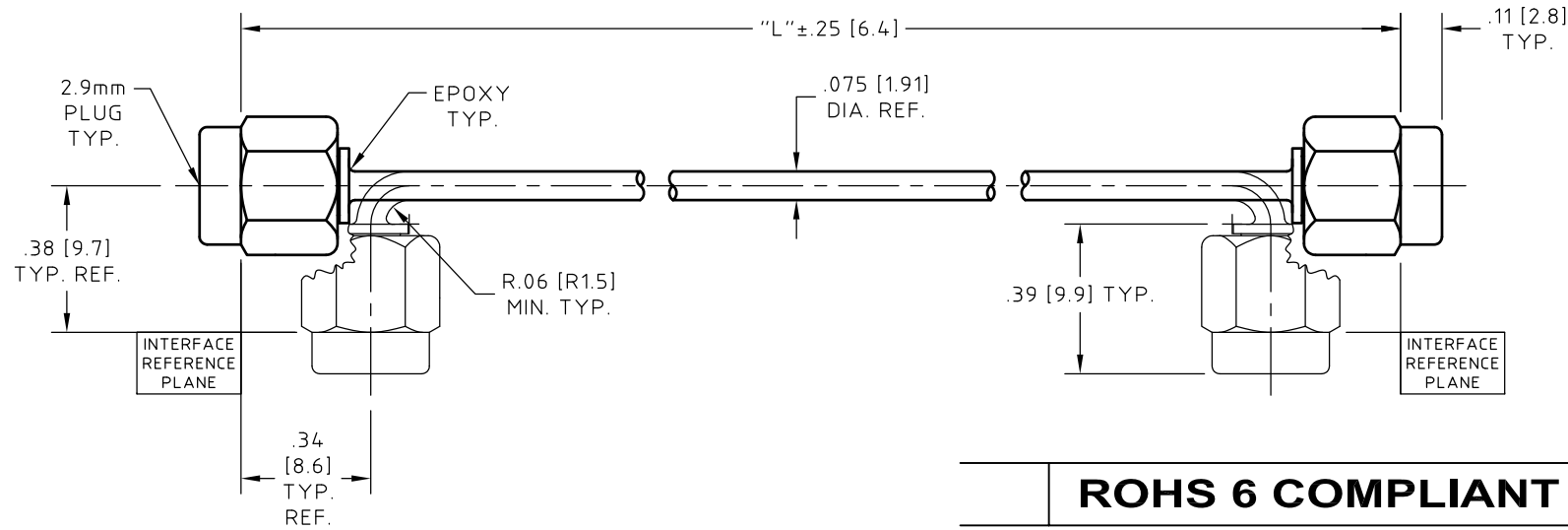


CONTROL DRAWING

microbend KR-XX

P



ROHS 6 COMPLIANT

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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-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 KR-		1.20:1		1.37:1		1.45:1		1.55:1	

SEE NOTE 8

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, 2.9mm PLUG TO 2.9mm 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-, 2.9mm PLUG:
SAME AS CONNECTOR -A-.

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

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	 HUBER+SUHNER Astrolab
PREP.	I S	03/12/03	
ELEC.	RF	03/12/03	
MECH.	GSG	03/12/03	
Q.C.			
			THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.
TITLE			
CABLE ASSEMBLY, 2.9mm PLUG TO 2.9mm PLUG, RUGGEDIZED			
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 KR-XX
			REV P

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