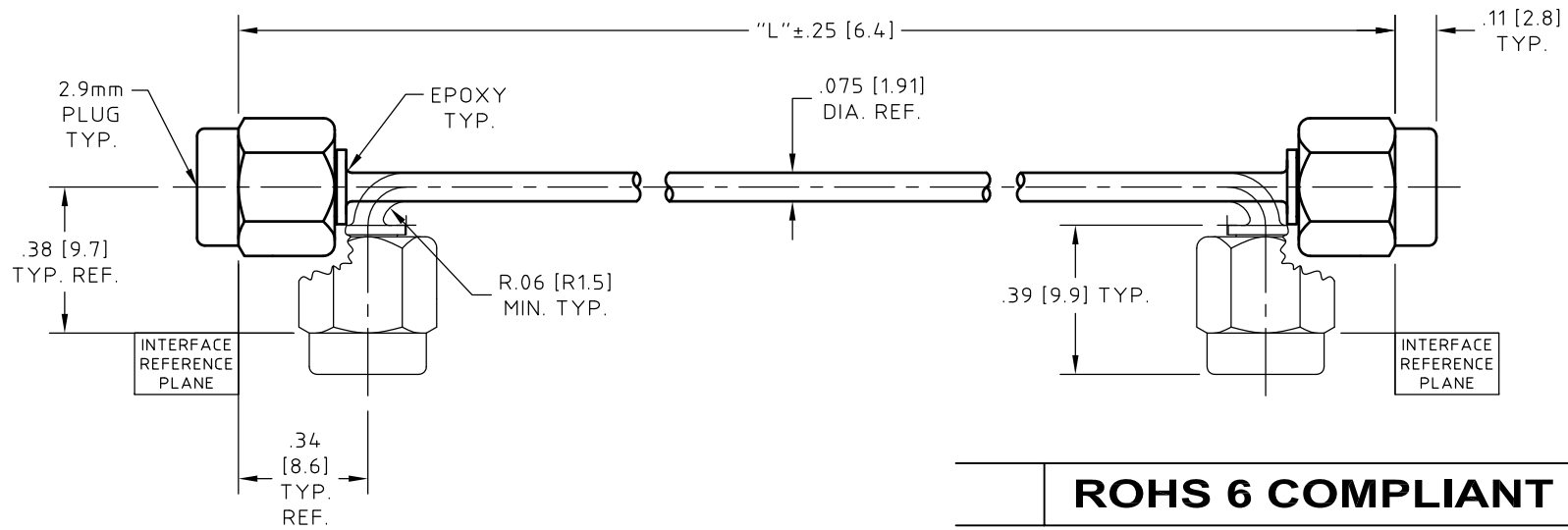


# CONTROL DRAWING

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	

**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

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	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**

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

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
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