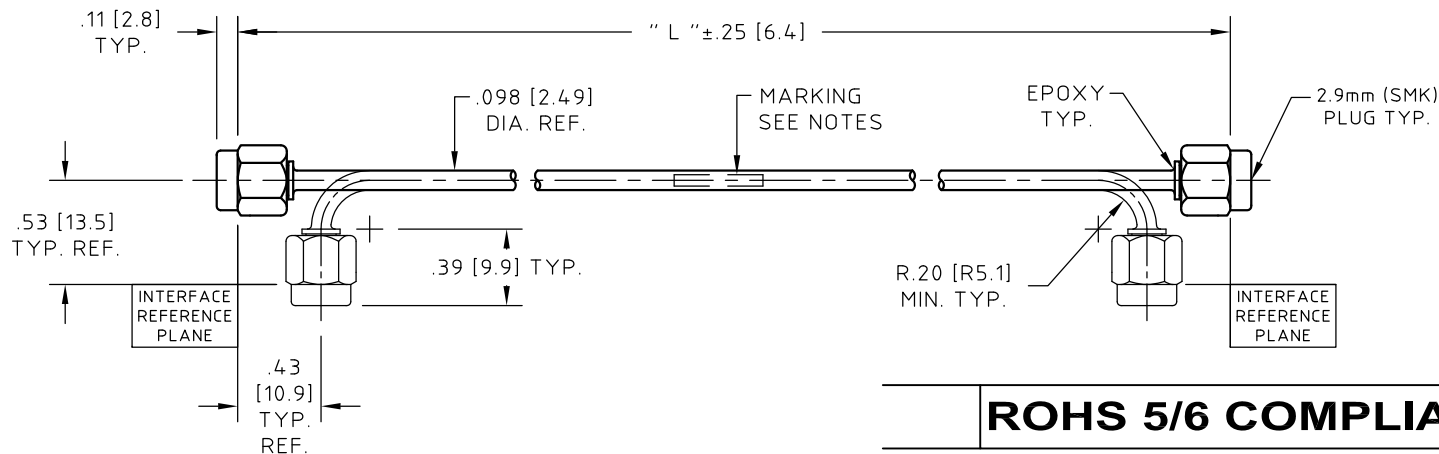


CONTROL DRAWING

minibend KR-XX

S



ROHS 5/6 COMPLIANT

NOTES:

1. DESCRIPTION,
CABLE ASSEMBLY, 2.9mm (SMK) PLUG TO 2.9mm (SMK) 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.
2. CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32081E MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
3. CONNECTOR -A-, 2.9mm (SMK) PLUG:
HUBER+SUHNER Astrolab P/N 29094KCR-32-81
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, 2.9mm (SMK) PLUG:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

5. MARKING:
MARKING APPROXIMATELY CENTERED DIRECTLY ON CABLE AS FOLLOWS:
MINIBEND KR-xx YYWW
WHERE xx DENOTES THE LENGTH OF THE CABLE ASSEMBLY AND YYWW THE DATE CODE FOR DATE OF MANUFACTURE.
NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.00 [76.2].
MARKING ON PACKAGING ONLY.
6. ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR
SEE CHART.
7. MECHANICAL:
OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.
PULL STRENGTH TO 25.0 LBS [111.2 N].
8. ATTENUATION FORMULAS:
8A. CALCULATE AT 26.5 GHz
(dB) = 1.45 dB/FT. X L(ft.)+.31 dB
8B. CALCULATE AT 40.0 GHz
(dB) = 1.84 dB/FT. X L(ft.)+.50 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend KR-2.5	2.50 [63.5]	1.20:1	0.18	1.45:1	0.62	1.50:1	0.88
minibend KR-3	3.00 [76.2]	1.20:1	0.19	1.45:1	0.68	1.50:1	0.96
minibend KR-3.5	3.50 [88.9]	1.20:1	0.21	1.45:1	0.74	1.50:1	1.03
minibend KR-4	4.00 [101.6]	1.20:1	0.23	1.45:1	0.80	1.50:1	1.10
minibend KR-4.5	4.50 [114.3]	1.20:1	0.24	1.45:1	0.86	1.50:1	1.17
minibend KR-5	5.00 [127.0]	1.20:1	0.26	1.45:1	0.92	1.50:1	1.25
minibend KR-5.5	5.50 [139.7]	1.20:1	0.27	1.45:1	0.98	1.50:1	1.32
minibend KR-6	6.00 [152.4]	1.20:1	0.29	1.45:1	1.04	1.50:1	1.39
minibend KR-7	7.00 [177.8]	1.20:1	0.32	1.45:1	1.17	1.50:1	1.54
minibend KR-8	8.00 [203.2]	1.20:1	0.35	1.45:1	1.29	1.50:1	1.68
minibend KR-9	9.00 [228.6]	1.20:1	0.38	1.45:1	1.41	1.50:1	1.83
minibend KR-10	10.00 [254.0]	1.20:1	0.41	1.45:1	1.53	1.50:1	1.97
minibend KR-11	11.00 [279.4]	1.20:1	0.44	1.45:1	1.65	1.50:1	2.12
minibend KR-12	12.00 [304.8]	1.20:1	0.47	1.45:1	1.78	1.50:1	2.26
minibend KR-13	13.00 [330.2]	1.20:1	0.50	1.45:1	1.90	1.50:1	2.41
minibend KR-14	14.00 [355.6]	1.20:1	0.53	1.45:1	2.02	1.50:1	2.55
minibend KR-15	15.00 [381.0]	1.20:1	0.57	1.45:1	2.14	1.50:1	2.70
minibend KR-16	16.00 [406.4]	1.20:1	0.60	1.45:1	2.26	1.50:1	2.84
minibend KR-		1.20:1		1.45:1		1.50:1	

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	± 1/32
X	± .015
XX	± .010
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE
PREP. EF	05/07/01
ELEC. RF	05/07/01
MECH. GSG	05/07/01
Q.C.	

HUBER+SUHNER
Astrolab

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 1:1	CODE IDENT. 16301	DWG NO. minibend KR-XX
REV.	S		

S	ECN No. 15490	04/18/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED