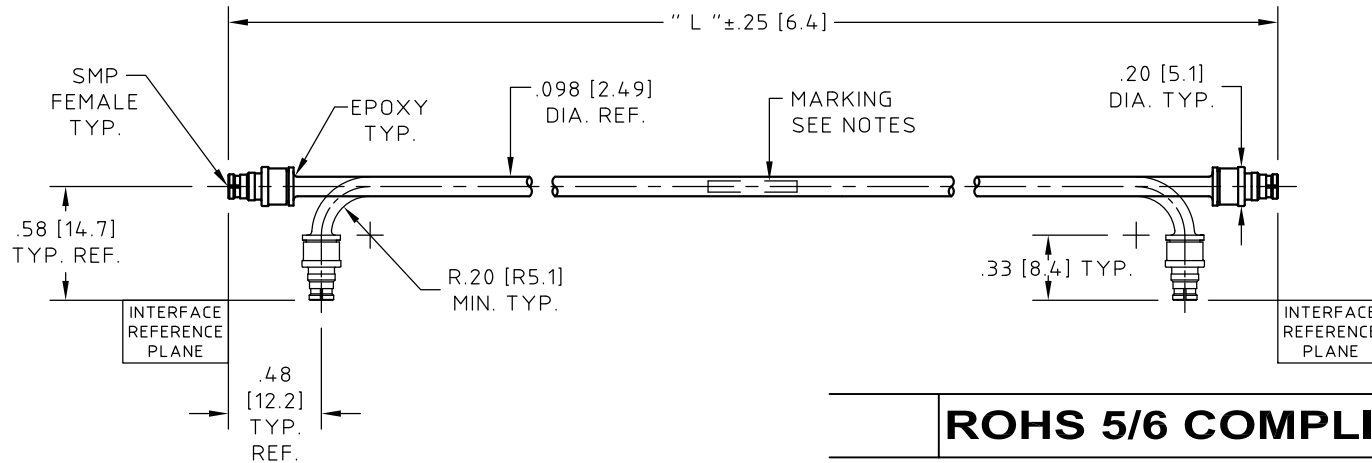


CONTROL DRAWING

minibend 2SR-XX

K



ROHS 5/6 COMPLIANT

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMP FEMALE TO SMP FEMALE, 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 32081E MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMP FEMALE:
HUBER+SUHNER ASTROLAB P/N 29473CR-32-81-1 INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMP FEMALE:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

- MARKING:
MARKING APPROXIMATELY CENTERED DIRECTLY ON CABLE AS FOLLOWS:
MINIBEND 2SR-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.
- 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 25.0 LBS [111.2 N].
- ATTENUATION FORMULAS:
8A. CALCULATE AT 12.4 GHz
(dB) = .97 dB/FT. X L(ft.)+.25 dB
8B. CALCULATE AT 18.0 GHz
(dB) = 1.20 dB/FT. X L(ft.)+.38 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
minibend 2SR-2.5	2.50 [63.5]	1.25:1	0.21	1.35:1	0.44	1.50:1	0.66
minibend 2SR-3	3.00 [76.2]	1.25:1	0.22	1.35:1	0.48	1.50:1	0.71
minibend 2SR-3.5	3.50 [88.9]	1.25:1	0.24	1.35:1	0.52	1.50:1	0.76
minibend 2SR-4	4.00 [101.6]	1.25:1	0.26	1.35:1	0.56	1.50:1	0.81
minibend 2SR-4.5	4.50 [114.3]	1.25:1	0.27	1.35:1	0.62	1.50:1	0.86
minibend 2SR-5	5.00 [127.0]	1.25:1	0.29	1.35:1	0.65	1.50:1	0.91
minibend 2SR-5.5	5.50 [139.7]	1.25:1	0.30	1.35:1	0.70	1.50:1	0.96
minibend 2SR-6	6.00 [152.4]	1.25:1	0.32	1.35:1	0.73	1.50:1	1.01
minibend 2SR-6.5	6.50 [165.1]	1.25:1	0.33	1.35:1	0.78	1.50:1	1.06
minibend 2SR-7	7.00 [177.8]	1.25:1	0.35	1.35:1	0.82	1.50:1	1.11
minibend 2SR-8	8.00 [203.2]	1.25:1	0.38	1.35:1	0.90	1.50:1	1.21
minibend 2SR-9	9.00 [228.6]	1.25:1	0.41	1.35:1	0.99	1.50:1	1.31
minibend 2SR-10	10.00 [254.0]	1.25:1	0.44	1.35:1	1.06	1.50:1	1.40
minibend 2SR-11	11.00 [279.4]	1.25:1	0.47	1.35:1	1.15	1.50:1	1.50
minibend 2SR-12	12.00 [304.8]	1.25:1	0.50	1.35:1	1.23	1.50:1	1.58
minibend 2SR-13	13.00 [330.2]	1.25:1	0.53	1.35:1	1.31	1.50:1	1.69
minibend 2SR-14	14.00 [355.6]	1.25:1	0.56	1.35:1	1.38	1.50:1	1.78
minibend 2SR-15	15.00 [381.0]	1.25:1	0.60	1.35:1	1.48	1.50:1	1.89
minibend 2SR-16	16.00 [406.4]	1.25:1	0.63	1.35:1	1.55	1.50:1	1.98
minibend 2SR-		1.25:1		1.35:1		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	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE
PREP. IS	01/16/03
ELEC.	
MECH. GSG	01/16/03
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		SCALE		CODE IDENT.	DWG NO.	REV
CABLE ASSEMBLY, SMP FEMALE TO SMP FEMALE, RUGGEDIZED		1:1		16301	minibend 2SR-XX	K
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.						

K	ECN No. 15507	04/24/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED