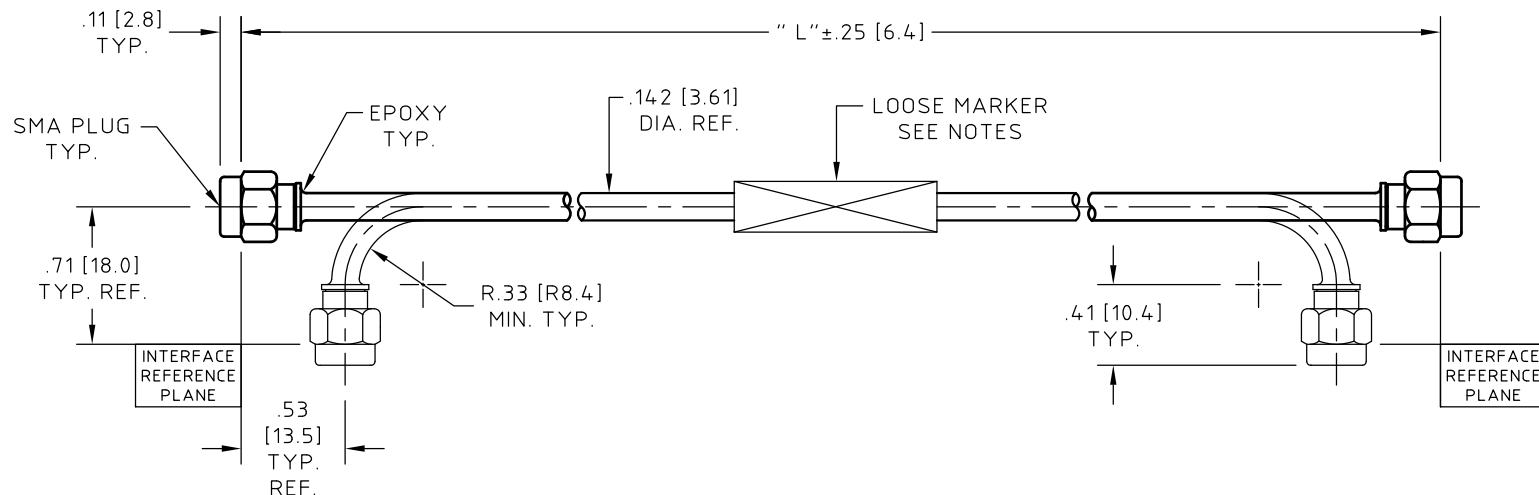


CONTROL DRAWING

mini141-XX

S



HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
mini141-2.5	2.50 [63.5]	1.18:1	0.13	1.27:1	0.27	1.35:1	0.39	1.40:1	0.52
mini141-3	3.00 [76.2]	1.18:1	0.13	1.27:1	0.29	1.35:1	0.42	1.40:1	0.55
mini141-3.5	3.50 [88.9]	1.18:1	0.14	1.27:1	0.31	1.35:1	0.44	1.40:1	0.58
mini141-4	4.00 [101.6]	1.18:1	0.15	1.27:1	0.33	1.35:1	0.46	1.40:1	0.60
mini141-4.5	4.50 [114.3]	1.18:1	0.16	1.27:1	0.35	1.35:1	0.48	1.40:1	0.63
mini141-5	5.00 [127.0]	1.18:1	0.16	1.27:1	0.37	1.35:1	0.51	1.40:1	0.66
mini141-5.5	5.50 [139.7]	1.18:1	0.17	1.27:1	0.38	1.35:1	0.53	1.40:1	0.69
mini141-6	6.00 [152.4]	1.18:1	0.18	1.27:1	0.40	1.35:1	0.55	1.40:1	0.72
mini141-6.5	6.50 [165.1]	1.18:1	0.18	1.27:1	0.42	1.35:1	0.57	1.40:1	0.74
mini141-7	7.00 [177.8]	1.18:1	0.19	1.27:1	0.44	1.35:1	0.60	1.40:1	0.77
mini141-8	8.00 [203.2]	1.18:1	0.21	1.27:1	0.48	1.35:1	0.64	1.40:1	0.83
mini141-9	9.00 [228.6]	1.18:1	0.22	1.27:1	0.51	1.35:1	0.69	1.40:1	0.88
mini141-10	10.00 [254.0]	1.18:1	0.24	1.27:1	0.55	1.35:1	0.73	1.40:1	0.94
mini141-11	11.00 [279.4]	1.18:1	0.25	1.27:1	0.59	1.35:1	0.78	1.40:1	0.99
mini141-12	12.00 [304.8]	1.18:1	0.26	1.27:1	0.63	1.35:1	0.82	1.40:1	1.05
mini141-13	13.00 [330.2]	1.18:1	0.30	1.27:1	0.68	1.35:1	0.89	1.40:1	1.13
mini141-14	14.00 [355.6]	1.18:1	0.31	1.27:1	0.72	1.35:1	0.93	1.40:1	1.18
mini141-15	15.00 [381.0]	1.18:1	0.33	1.27:1	0.76	1.35:1	0.98	1.40:1	1.24
mini141-16	16.00 [406.4]	1.18:1	0.34	1.27:1	0.79	1.35:1	1.02	1.40:1	1.29
mini141-		1.18:1		1.27:1		1.35:1		1.40:1	

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.
- CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab
P/N 32022E MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMA PLUG:
HUBER+SUHNER Astrolab P/N 29094CR-32-22
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.
- MARKING:
LOOSE, WHITE SLEEVING CAPTIVATED
ONTO CABLE ASSEMBLY.
MARKING WILL INCLUDE THE HUBER+SUHNER
Astrolab PART NUMBER, CAGE CODE
AND DATE CODE FOR DATE OF MANUFACTURE.

NOTES CONTINUED:

- NO MARKING ON CABLE ASSEMBLIES
SHORTER THAN 3.0" [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.
- ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = .55 dB/FT. X L(ft.)+.27 dB
8B. CALCULATE AT 26.5 GHz
(dB) = .67 dB/FT. X L(ft.)+.38 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. BG	12/05/01
ELEC. RF	02/12/02
MECH. DPD	02/12/02
Q.C. AG	02/12/02

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, TYPE mini141, SMA PLUG TO SMA PLUG	
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. mini141-XX
S	ECN No. 15819	09/23/13	EB
REV.	DESCRIPTION	DATE	BY
	APPROVED		

ROHS 5/6 COMPLIANT