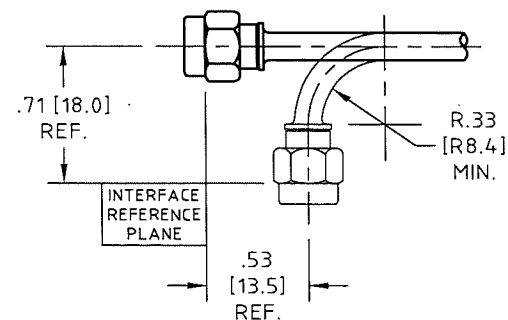
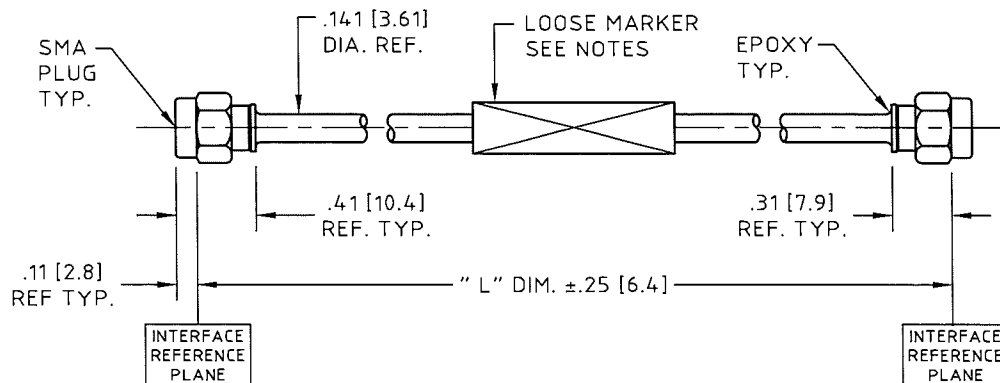


CONTROL DRAWING

mini141-XXVP

D



SHOWN ABOVE IS TYPICAL INSTALLATION

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

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG
TO SMA PLUG.
ASSEMBLY MEETS OR EXCEEDS NASA
LOW OUTGASSING REQUIREMENTS.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32022E
MEETS OR EXCEEDS MIL-DTL-17
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMA PLUG:
H+S Astrolab P/N 29094CR-32-22
IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

- MARKING:
LOOSE, WHITE SLEEVING CAPTIVATED
ON THE CABLE ASSEMBLY.
MARKING WILL INCLUDE THE H+S Astrolab
PART NUMBER, CAGE CODE
AND DATE CODE OF DATE OF
MANUFACTURE.
OTHER MARKING AS DEFINED BY CUSTOMER.
NO MARKING ON CABLE ASSEMBLIES SHORTER
THAN 3.0", MARKING ON PACKING ONLY.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS
AND VSWR, SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE
RANGE, -55° C TO +125° C.
CABLE ASSEMBLY LENGTH
"L" MEASURED IAW
MIL-PRF-55427.

ROHS 5/6 COMPLIANT

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. EF	01/27/05
ELEC. RF	01/27/05
MECH. GSG	01/27/05
Q.C. AG	01/27/05

HUBER+SUHNER
Astrolab

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY
INFORMATION. THE DESIGN CANNOT BE USED WITHOUT
WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE	CABLE ASSY, TYPE mini141, SMA PLUG TO SMA PLUG, LOW OUTGASSING.			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE	CODE IDENT.	DWG NO.	REV
	1:1	16301	mini141-XXVP	D

D	COMPANY LOGO UPDATE	01/15/13	ENG/EB	
REV.	DESCRIPTION	DATE	BY	APPROVED