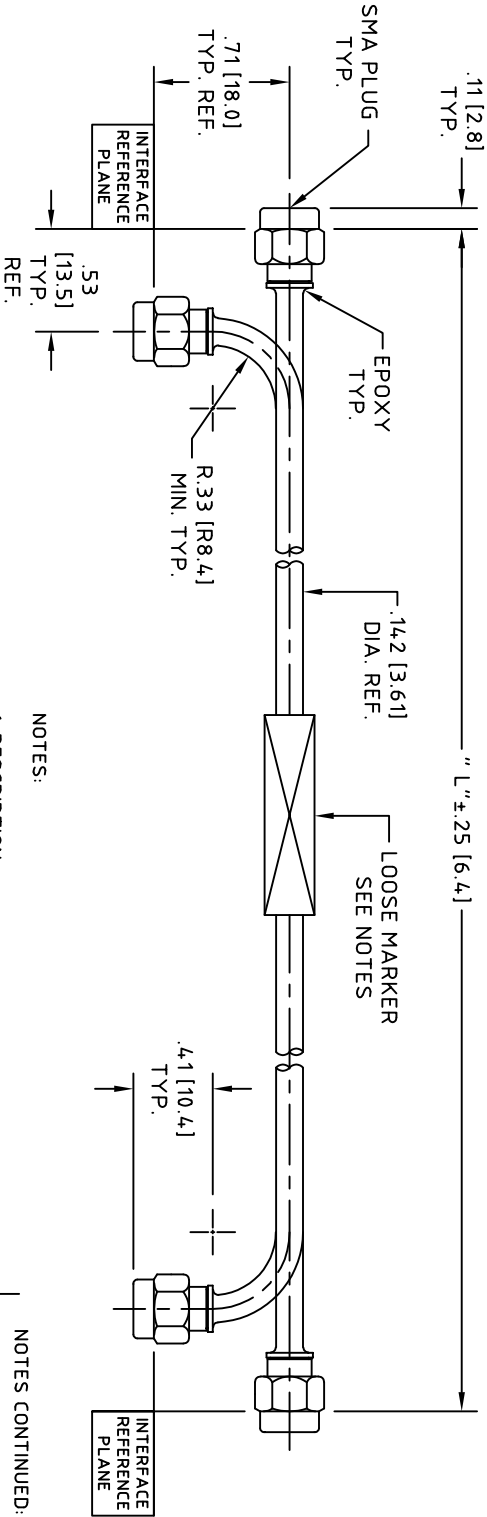


CONTROL DRAWING

mini14-1-XX

X



NOTES:

NOTES CONTINUED:

1. DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.

2. CABLE:
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32022 MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

3. 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.

4. CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.

5. 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.

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.

8. ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = .55 dB/FT. X L(fft.)+.27 dB
8B. CALCULATE AT 26.5 GHz
(dB) = .67 dB/FT. X L(fft.)+.38 dB

9. OUTGASSING:
ASSEMBLY MEETS OR EXCEEDS NASA LOW OUTGASSING REQUIREMENTS.
- NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.0" [76.2].
MARKING ON PACKAGING ONLY.

NOT ROHS COMPLIANT

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz VSWR I.L. dB	12.4 GHz VSWR I.L. dB	18.0 GHz VSWR I.L. dB	26.5 GHz VSWR I.L. dB
mini14-1-5	5.00 [127.0]	1.18:1 0.16	1.27:1 0.37	1.35:1 0.51	1.40:1 0.66
mini14-1-5.5	5.50 [139.7]	1.18:1 0.17	1.27:1 0.38	1.35:1 0.53	1.40:1 0.69
mini14-1-6	6.00 [152.4]	1.18:1 0.18	1.27:1 0.40	1.35:1 0.55	1.40:1 0.72
mini14-1-6.5	6.50 [165.1]	1.18:1 0.18	1.27:1 0.42	1.35:1 0.57	1.40:1 0.74
mini14-1-7	7.00 [177.8]	1.18:1 0.19	1.27:1 0.44	1.35:1 0.60	1.40:1 0.77
mini14-1-8	8.00 [203.2]	1.18:1 0.21	1.27:1 0.48	1.35:1 0.64	1.40:1 0.83
mini14-1-9	9.00 [228.6]	1.18:1 0.22	1.27:1 0.51	1.35:1 0.69	1.40:1 0.88
mini14-1-10	10.00 [254.0]	1.18:1 0.24	1.27:1 0.55	1.35:1 0.73	1.40:1 0.94
mini14-1-11	11.00 [279.4]	1.18:1 0.25	1.27:1 0.59	1.35:1 0.78	1.40:1 0.99
mini14-1-12	12.00 [304.8]	1.18:1 0.26	1.27:1 0.63	1.35:1 0.82	1.40:1 1.05
mini14-1-13	13.00 [330.2]	1.18:1 0.30	1.27:1 0.68	1.35:1 0.89	1.40:1 1.13
mini14-1-14	14.00 [355.6]	1.18:1 0.31	1.27:1 0.72	1.35:1 0.93	1.40:1 1.18
mini14-1-15	15.00 [381.0]	1.18:1 0.33	1.27:1 0.76	1.35:1 0.98	1.40:1 1.24
mini14-1-16	16.00 [406.4]	1.18:1 0.34	1.27:1 0.79	1.35:1 1.02	1.40:1 1.29
mini14-1-17	17.00 [431.8]	1.18:1 0.35	1.27:1 0.81	1.35:1 1.05	1.40:1 1.35
mini14-1-18	18.00 [457.2]	1.18:1 0.36	1.27:1 0.85	1.35:1 1.10	1.40:1 1.39
mini14-1-19	19.00 [482.6]	1.18:1 0.37	1.27:1 0.89	1.35:1 1.14	1.40:1 1.44
mini14-1-20	20.00 [508.0]	1.18:1 0.39	1.27:1 0.92	1.35:1 1.19	1.40:1 1.50
mini14-1-21	21.00 [533.4]	1.18:1 0.40	1.27:1 0.96	1.35:1 1.23	1.40:1 1.55
mini14-1-22	22.00 [558.8]	1.18:1 0.42	1.27:1 1.00	1.35:1 1.28	1.40:1 1.61
mini14-1-23	23.00 [584.2]	1.18:1 0.43	1.27:1 1.03	1.35:1 1.33	1.40:1 1.67
mini14-1-24	24.00 [609.6]	1.18:1 0.45	1.27:1 1.07	1.35:1 1.37	1.40:1 1.72
mini14-1-		1.18:1	1.27:1	1.35:1	1.40:1

SEE NOTE 8

REV.	DESCRIPTION	DATE	BY	APPROVED
X	"L" corrected to 431.8MM	5/8/2024	SS	GSG

X	±.030 [±0.762]
XX	±.015 [±0.381]
XXX	±.005 [±0.127]
XXXX	±.0005 [±0.013]
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME	DATE	SCALE
PREP. BG	12/05/01	
ELEC. RF	02/12/02	
MECH. DPD	02/12/02	1:1
Q.C. AG	02/12/02	ANSI A

HUBER+SUHNER
Astrolab

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

CABLE ASSEMBLY, TYPE mini14-1, SMA PLUG TO SMA PLUG

TITLE	CODE IDENT.	DWG NO.	REV.	SHEET
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUP.L. TO HANDBOOK H 28.	16301	DWG-01015167	X	1

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Cable Assemblies](#) category:

Click to view products by [Huber & Suhner](#) manufacturer:

Other Similar products are found below :

[6772459-7](#) [73-6353-3](#) [73-6364-6](#) [R285001001](#) [145111-05-12.00](#) [1655303-1](#) [1801171170914KE](#) [1905715](#) [24P104C24J1-012](#) [24P204C24J1-003](#) [FCB-3030-ALT](#) [21117-046](#) [21117-050](#) [PCW-18-75](#) [24P103C24P2-003](#) [PTWY-24-78](#) [R284008001](#) [R288940034](#) [MDM-21PH006P-A174](#) [4814-BB-24](#) [5260-72](#) [4814-K-48](#) [115101-09-06.00](#) [MXHT83QE3000](#) [73-6351-25](#) [81-6201-1600](#) [1800920920610PJ](#) [GD0BQ0BQ024.0](#) [1-3636-620-5212](#) [R288940009](#) [R288940002](#) [PT82NSMA](#) [BNC TO SMA Cable](#) [PT815NN](#) [2001481480914ZT](#) [89761-3417](#) [PT89TT](#) [PT8X2NT](#) [MINIBEND-20](#) [0HR01R020360](#) [G2R01R010240](#) [0K0CJ0CQ0240](#) [GD0BPZ3G0120](#) [0D0CP0CQ0720](#) [0SR01R010120](#) [0Z0CK0CQ0120](#) [0SQ01Q010480](#) [2001481481219ZT](#) [R284C0351020](#) [73135-7240](#)