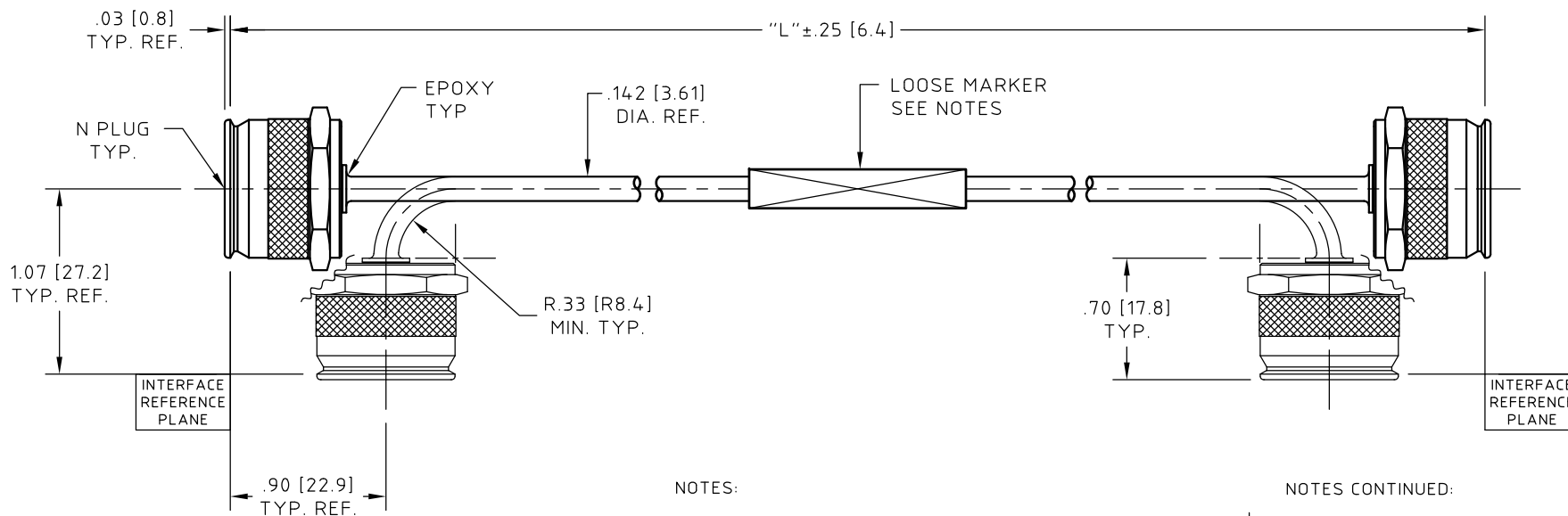


CONTROL DRAWING

mini141 N-XX

J



NOTES:

1. DESCRIPTION:
CABLE ASSEMBLY, N PLUG TO N PLUG.
2. 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.
3. CONNECTOR -A-, N PLUG:
HUBER+SUHNER Astrolab P/N 29080CR-32-22
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, N 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.

NOTES CONTINUED:

- NO MARKING ON CABLE ASSEMBLIES
SHORTER THAN 3.0" [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.
8. ATTENUATION FORMULAS:
8A. CALCULATE AT 18.0 GHz
(dB) = .55 dB/FT. X L(ft.)+.30 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
mini141 N-5	5.00 [127.0]	1.20:1	0.19	1.28:1	0.41	1.37:1	0.55
mini141 N-6	6.00 [152.4]	1.20:1	0.21	1.28:1	0.45	1.37:1	0.60
mini141 N-7	7.00 [177.8]	1.20:1	0.23	1.28:1	0.49	1.37:1	0.65
mini141 N-8	8.00 [203.2]	1.20:1	0.24	1.28:1	0.52	1.37:1	0.69
mini141 N-9	9.00 [228.6]	1.20:1	0.26	1.28:1	0.56	1.37:1	0.74
mini141 N-10	10.00 [254.0]	1.20:1	0.27	1.28:1	0.60	1.37:1	0.79
mini141 N-11	11.00 [279.4]	1.20:1	0.29	1.28:1	0.64	1.37:1	0.83
mini141 N-12	12.00 [304.8]	1.20:1	0.30	1.28:1	0.68	1.37:1	0.88
mini141 N-13	13.00 [330.2]	1.20:1	0.32	1.28:1	0.71	1.37:1	0.93
mini141 N-14	14.00 [355.6]	1.20:1	0.33	1.28:1	0.75	1.37:1	0.97
mini141 N-15	15.00 [381.0]	1.20:1	0.35	1.28:1	0.79	1.37:1	1.02
mini141 N-16	16.00 [406.4]	1.20:1	0.36	1.28:1	0.83	1.37:1	1.07
mini141 N-		1.20:1		1.28:1		1.37:1	

SEE NOTE 8

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	<p style="font-weight: bold; margin: 0;">HUBER+SUHNER Astrolab</p> <p style="font-size: x-small; margin: 0;">THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.</p>	
PREP.	A.P.		11/19/03
ELEC.			
MECH.			
Q.C.			

TITLE									
CABLE ASSY, TYPE mini141, N PLUG TO N 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	CODE IDENT.	DWG NO.						
	1:1	16301	mini141 N-XX	J	J	J	J	J	J

J	ECN No. 15819	09/25/13	EB						
REV.	DESCRIPTION	DATE	BY	APPROVED	DO NOT SCALE DRAWING	DO NOT SCALE DRAWING	DO NOT SCALE DRAWING	DO NOT SCALE DRAWING	DO NOT SCALE DRAWING