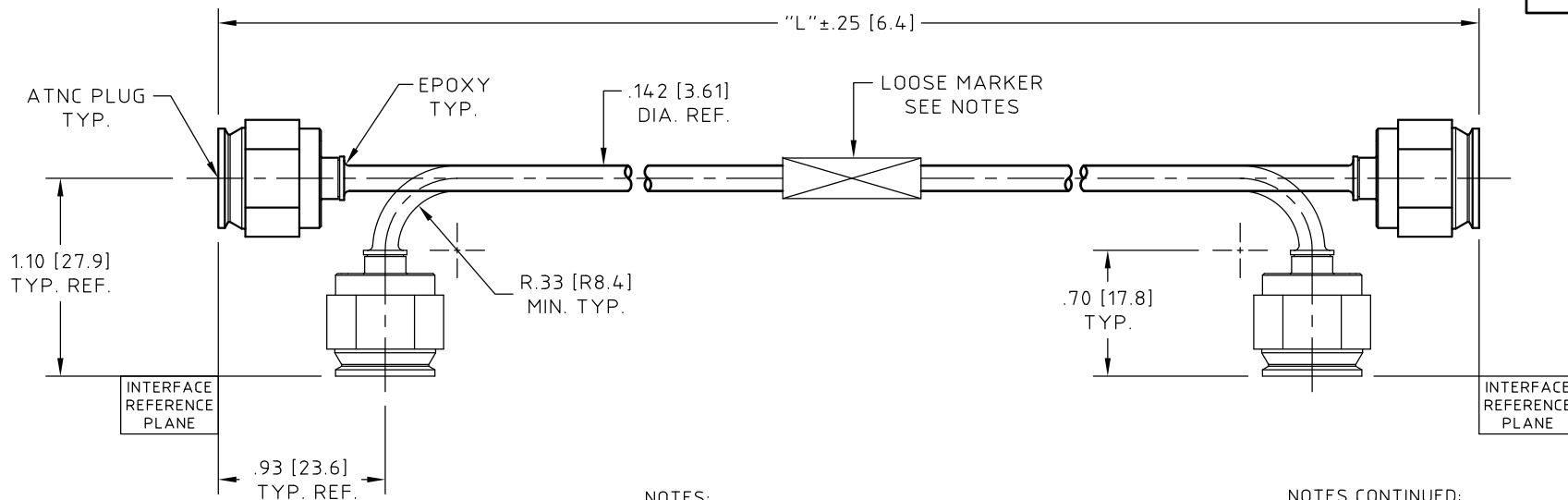


CONTROL DRAWING

mini141 T-XX



NOTES:

1. DESCRIPTION,
CABLE ASSEMBLY, ATNC (TNCA) PLUG TO ATNC (TNCA) 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-, ATNC PLUG:
HUBER+SUHNER Astrolab P/N 29882CR-32-22 ATNC PLUG CONNECTOR MATES WITH TNCA JACK THAT IS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, ATNC 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.
PULL STRENGTH TO 25 Lbs [111.2 N].
8. ATTENUATION FORMULAS:
8A. CALCULATE AT 18.5 GHz
(dB) = .55 dB/FT. X L(ft.)+.40 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		12.4 GHz		18.5 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
mini141 T-4	4.00 [101.6]	1.25:1	0.18	1.29:1	0.37	1.40:1	0.57
mini141 T-4.5	4.50 [114.3]	1.25:1	0.19	1.29:1	0.39	1.40:1	0.59
mini141 T-5	5.00 [127.0]	1.25:1	0.20	1.29:1	0.41	1.40:1	0.62
mini141 T-5.5	5.50 [139.7]	1.25:1	0.20	1.29:1	0.43	1.40:1	0.64
mini141 T-6	6.00 [152.4]	1.25:1	0.21	1.29:1	0.45	1.40:1	0.67
mini141 T-6.5	6.50 [165.1]	1.25:1	0.22	1.29:1	0.47	1.40:1	0.69
mini141 T-7	7.00 [177.8]	1.25:1	0.23	1.29:1	0.49	1.40:1	0.71
mini141 T-8	8.00 [203.2]	1.25:1	0.24	1.29:1	0.53	1.40:1	0.76
mini141 T-9	9.00 [228.6]	1.25:1	0.26	1.29:1	0.57	1.40:1	0.81
mini141 T-10	10.00 [254.0]	1.25:1	0.27	1.29:1	0.60	1.40:1	0.86
mini141 T-11	11.00 [279.4]	1.25:1	0.29	1.29:1	0.64	1.40:1	0.90
mini141 T-12	12.00 [304.8]	1.25:1	0.30	1.29:1	0.68	1.40:1	0.95
mini141 T-13	13.00 [330.2]	1.25:1	0.32	1.29:1	0.72	1.40:1	1.00
mini141 T-14	14.00 [355.6]	1.25:1	0.33	1.29:1	0.76	1.40:1	1.05
mini141 T-15	15.00 [381.0]	1.25:1	0.35	1.29:1	0.80	1.40:1	1.09
mini141 T-16	16.00 [406.4]	1.25:1	0.36	1.29:1	0.83	1.40:1	1.14
mini141 T-17	17.00 [431.8]	1.25:1	0.38	1.29:1	0.86	1.40:1	1.18
mini141 T-33	33.00 [838.2]	1.25:1	0.61	1.29:1	1.45	1.40:1	1.91
mini141 T-		1.25:1		1.29:1		1.40:1	

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
PREP.	GSG	05/05/03
ELEC.	RF	05/05/03
MECH.	DPD	05/05/03
Q.C.	AG	05/05/03

HUBER+SUHNER
Astrolab

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TITLE		CABLE ASSY, TYPE mini141, ATNC PLUG TO ATNC 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 T-XX
REV.	DESCRIPTION	DATE	BY
L	ECN No. 15819	10/04/13	EB

L