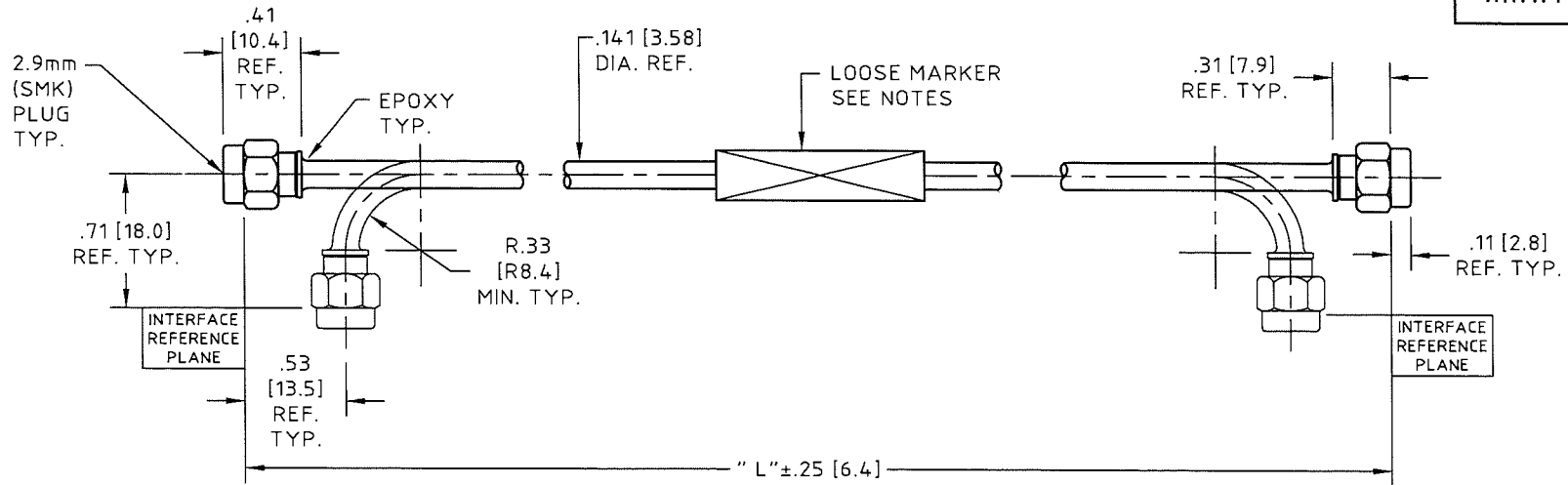


# CONTROL DRAWING

mini141 K-xxHT



**NOTES:**

1. DESCRIPTION,  
COAXIAL CABLE ASSEMBLY, 100% ROHS COMPLIANT, 2.9mm (SMK) PLUG TO SAME.
2. 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.
3. CONNECTOR -A-, 2.9mm PLUG:  
H+S Astrolab P/N 29094HTKCR-32-22 IAW MIL-STD-348 AND 100% ROHS COMPLIANT. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, 2.9mm PLUG:  
SAME AS CONNECTOR -A-.

**NOTES CONTINUED:**

5. 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.
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.

H+S Astrolab PART NUMBER	DIMENSION "L" IN	2.0 GHz		18.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
mini141 K-2.5HT	2.50 (63.5)	1.15:1	0.13	1.35:1	0.37	1.40:1	0.45	1.45:1	0.68
mini141 K-3HT	3.00 (76.2)	1.15:1	0.14	1.35:1	0.39	1.40:1	0.48	1.45:1	0.71
mini141 K-3.5HT	3.50 (88.9)	1.15:1	0.15	1.35:1	0.41	1.40:1	0.50	1.45:1	0.74
mini141 K-4HT	4.00 (101.6)	1.15:1	0.16	1.35:1	0.43	1.40:1	0.53	1.45:1	0.78
mini141 K-4.5HT	4.50 (114.3)	1.15:1	.017	1.35:1	0.46	1.40:1	0.56	1.45:1	0.82
mini141 K-5HT	5.00 (127.0)	1.15:1	0.17	1.35:1	0.48	1.40:1	0.59	1.45:1	0.85
mini141 K-5.5HT	5.50 (139.7)	1.15:1	0.19	1.35:1	0.50	1.40:1	0.62	1.45:1	0.89
mini141 K-6HT	6.00 (152.4)	1.15:1	0.19	1.35:1	0.53	1.40:1	0.65	1.45:1	0.92
mini141 K-6.5HT	6.50 (165.1)	1.15:1	0.20	1.35:1	0.55	1.40:1	0.68	1.45:1	0.96
mini141 K-7HT	7.00 (177.8)	1.15:1	0.20	1.35:1	0.57	1.40:1	0.70	1.45:1	0.99
mini141 K-8HT	8.00 (203.2)	1.15:1	0.22	1.35:1	0.62	1.40:1	0.76	1.45:1	1.06
mini141 K-9HT	9.00 (228.6)	1.15:1	0.23	1.35:1	0.66	1.40:1	0.81	1.45:1	1.13
mini141 K-10HT	10.00 (254.0)	1.15:1	0.25	1.35:1	0.71	1.40:1	0.87	1.45:1	1.20
mini141 K-11HT	11.00 (279.4)	1.15:1	0.26	1.35:1	0.75	1.40:1	0.92	1.45:1	1.27
mini141 K-12HT	12.00 (304.8)	1.15:1	0.27	1.35:1	0.80	1.40:1	0.98	1.45:1	1.34
mini141 K-13HT	13.00 (330.2)	1.15:1	0.29	1.35:1	0.85	1.40:1	1.04	1.45:1	1.41
mini141 K-14HT	14.00 (355.6)	1.15:1	0.30	1.35:1	0.89	1.40:1	1.09	1.45:1	1.48
mini141 K-15HT	15.00 (381.0)	1.15:1	0.32	1.35:1	0.94	1.40:1	1.15	1.45:1	1.55
mini141 K-16HT	16.00 (406.4)	1.15:1	0.33	1.35:1	0.98	1.40:1	1.20	1.45:1	1.62
mini141 K-									

**ROHS 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	12/03/10
ELEC.		
MECH.	AW	12/07/10
Q.C.		



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

TITLE  
**100% ROHS COMPLIANT mini141 CABLE ASSEMBLY, 2.9mm (SMK) PLUG TO SAME.**

C	COMPANY LOGO UPDATE	01/15/13	ENG EB						
REV.	DESCRIPTION	DATE	BY	APPROVED					
					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 K-xxHT	REV C