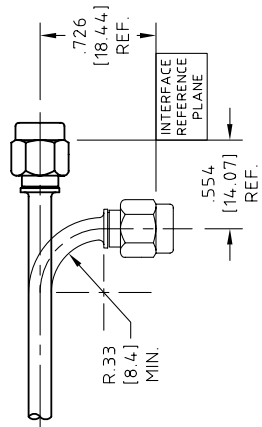


CONTROL DRAWING

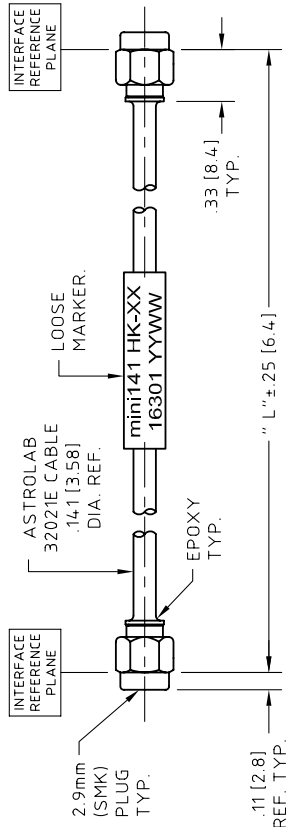
mini141 HK-XX

A

ALL mini141 HK CABLE ASSEMBLIES ARE 99.9% LEAD FREE BY WEIGHT.



SHOWN ABOVE IS TYPICAL INSTALLATION



ASTROLAB PART NUMBER	DIMENSION "L" IN	2.0 GHz		18.0 GHz		26.5 GHz		4.0 GHz		4.3 GHz	
		VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB	VSWR	IL, dB
mini141 HK-8	8.00 [203.2]	1.20:1	0.23	1.35:1	0.68	1.40:1	0.85	1.50:1	1.13	1.55:1	1.17
mini141 HK-10	10.00 [254.0]	1.20:1	0.27	1.35:1	0.79	1.40:1	0.97	1.50:1	1.29	1.55:1	1.33
mini141 HK-12	12.00 [304.8]	1.20:1	0.30	1.35:1	0.89	1.40:1	1.10	1.50:1	1.45	1.55:1	1.49
mini141 HK-14	14.00 [355.6]	1.20:1	0.33	1.35:1	0.99	1.40:1	1.23	1.50:1	1.60	1.55:1	1.66
mini141 HK-16	16.00 [406.4]	1.20:1	0.37	1.35:1	1.10	1.40:1	1.35	1.50:1	1.76	1.55:1	1.82
mini141 HK-18	18.00 [457.2]	1.20:1	0.40	1.35:1	1.20	1.40:1	1.48	1.50:1	1.92	1.55:1	1.99
mini141 HK-20	20.00 [508.0]	1.20:1	0.43	1.35:1	1.30	1.40:1	1.61	1.50:1	2.08	1.55:1	2.15
mini141 HK-22	22.00 [558.8]	1.20:1	0.47	1.35:1	1.41	1.40:1	1.73	1.50:1	2.23	1.55:1	2.31
mini141 HK-24	24.00 [609.6]	1.20:1	0.50	1.35:1	1.51	1.40:1	1.86	1.50:1	2.39	1.55:1	2.48
mini141 HK-26	26.00 [660.4]	1.20:1	0.53	1.35:1	1.61	1.40:1	1.99	1.50:1	2.55	1.55:1	2.64
mini141 HK-28	28.00 [711.2]	1.20:1	0.57	1.35:1	1.72	1.40:1	2.11	1.50:1	2.71	1.55:1	2.81
mini141 HK-30	30.00 [762.0]	1.20:1	0.60	1.35:1	1.82	1.40:1	2.24	1.50:1	2.87	1.55:1	2.97
mini141 HK-32	32.00 [812.8]	1.20:1	0.63	1.35:1	1.92	1.40:1	2.37	1.50:1	3.02	1.55:1	3.13
mini141 HK-34	34.00 [863.6]	1.20:1	0.67	1.35:1	2.03	1.40:1	2.49	1.50:1	3.18	1.55:1	3.30
mini141 HK-36	36.00 [914.4]	1.20:1	0.70	1.35:1	2.13	1.40:1	2.62	1.50:1	3.34	1.55:1	3.46
mini141 HK-38	38.00 [965.2]	1.20:1	0.73	1.35:1	2.23	1.40:1	2.75	1.50:1	3.50	1.55:1	3.63
mini141 HK-40	40.00 [1016.0]	1.20:1	0.77	1.35:1	2.34	1.40:1	2.87	1.50:1	3.65	1.55:1	3.79
mini141 HK-42	42.00 [1066.8]	1.20:1	0.80	1.35:1	2.44	1.40:1	3.00	1.50:1	3.81	1.55:1	3.95
mini141 HK-44	44.00 [1117.6]	1.20:1	0.83	1.35:1	2.54	1.40:1	3.13	1.50:1	3.97	1.55:1	4.12
mini141 HK-46	46.00 [1168.4]	1.20:1	0.87	1.35:1	2.65	1.40:1	3.25	1.50:1	4.13	1.55:1	4.28
mini141 HK-48	48.00 [1219.2]	1.20:1	0.90	1.35:1	2.75	1.40:1	3.38	1.50:1	4.28	1.55:1	4.45

NOTES:

- DESCRIPTION, COAXIAL CABLE ASSEMBLY mini141 HK, LOW OUTGASSING - HIGHLY ISOLATED 2.9mm (SMK) PLUG TO 2.9mm (SMK) PLUG.
- CABLE, COAXIAL CABLE ASTROLAB P/N 32021E MEETS OR EXCEEDS MIL-DTL-17 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 2.9mm (SMK) PLUG; ASTROLAB P/N 29094KCR-32-21 IAW MIL-STD-348 SEE ASTROLAB CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.9mm (SMK) PLUG; SAME AS CONNECTOR A.
- MARKING: MATERIAL, HEAT SHRINKABLE SLEEVING PER SAE-AMS-DTL-23053 MARKING .060 (1.52) MIN. TALL CHARACTERS IN CONTRASTING COLOR AND IAW MIL-STD-130. DATE CODE PER MIL-STD-1285 MARKING PERVALENCE IAW SAE-AMS-81531.

NOTES CONTINUED:

- ELECTRICAL CHARACTERISTICS: IMPEDANCE, 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR, SEE CHART. RF SHIELDING, GREATER THAN 110 dB WHEN TESTED IAW MIL-PRF-39012 PARAGRAPH 4.6.23.
- MECHANICAL: OPERATING TEMPERATURE RANGE, -55° C TO +125° C.

NAME	DATE	PREP.	EB	12/23/09
ELEC.		MECH.		
Q.C.				
TITLE	CABLE ASSY, 2.9mm (SMK) PLUG TO 2.9mm (SMK) PLUG, mini141 TYPE.			
FRAXIONS	± 1/16	SCALE	1:1	DWG NO.
XX	± .030			16301
XXX	± .015			mini141 HK-XX
ANGLES	± .1°			
DO NOT SCALE DRAWING				
ECN No. 12962	DESCRIPTION	DATE	APPROVED	REV
	EB	12/23/09	BY	A

