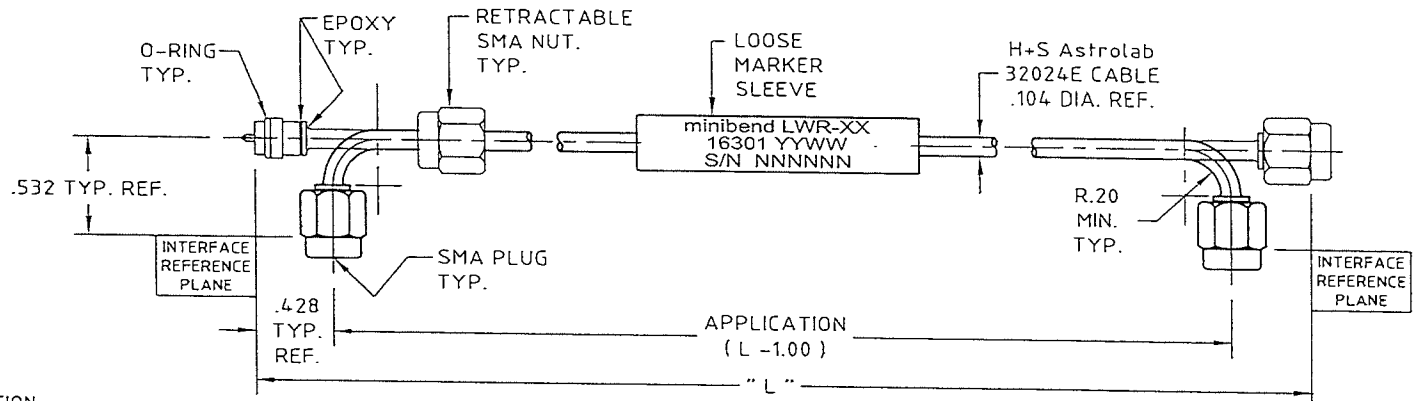


CONTROL DRAWING

minibend LWR-XX

D



NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, minibend LWR,
(WEATHERIZED SMA PLUG TO SMA PLUG).
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32024E
MEETS OR EXCEEDS MIL-DTL-17
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, SMA PLUG:
H+S Astrolab P/N 29094CWR-32-24
IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.
- MARKING:
MARKER SLEEVE, LOOSE ONTO CABLE BUT
CAPTIVATED FROM FALLING OFF.
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 PERMANENCE IAW SAE-AMS-81531.
CABLE ASSEMBLIES 4 INCHES OR SHORTER WILL HAVE
NO MARKER SLEEVE.
SERIAL NUMBER IS OPTIONAL, PRESENT ONLY PER CUSTOMER REQUEST.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR
SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.
CABLE ASSEMBLY LENGTH "L"
MEASURED IAW MIL-PRF-55427.

H+S Astrolab PART NUMBER	DIMENSION "L" IN [mm]	1.0 GHz		12.4 GHz		18.0 GHz		26.5 GHz	
		VSWR	IL dB	VSWR	IL dB	VSWR	IL dB	VSWR	IL dB
minibend LWR-2.5	2.50±.13 [63.5±3.3]	1.16:1	0.13	1.25:1	0.33	1.35:1	0.44	1.40:1	0.54
minibend LWR-3	3.00±.13 [76.2±3.3]	1.16:1	0.14	1.25:1	0.36	1.35:1	0.47	1.40:1	0.58
minibend LWR-3.5	3.50±.13 [88.9±3.3]	1.16:1	0.15	1.25:1	0.39	1.35:1	0.51	1.40:1	0.63
minibend LWR-4	4.00±.13 [101.6±3.3]	1.16:1	0.16	1.25:1	0.42	1.35:1	0.54	1.40:1	0.67
minibend LWR-4.5	4.50±.13 [114.3±3.3]	1.16:1	0.17	1.25:1	0.45	1.35:1	0.58	1.40:1	0.72
minibend LWR-5	5.00±.13 [127.0±3.3]	1.16:1	0.18	1.25:1	0.51	1.35:1	0.62	1.40:1	0.76
minibend LWR-5.5	5.50±.13 [139.7±3.3]	1.16:1	0.19	1.25:1	0.51	1.35:1	0.65	1.40:1	0.80
minibend LWR-6	6.00±.13 [152.4±3.3]	1.16:1	0.20	1.25:1	0.54	1.35:1	0.69	1.40:1	0.85
minibend LWR-6.5	6.50±.13 [165.1±3.3]	1.16:1	0.21	1.25:1	0.57	1.35:1	0.72	1.40:1	0.89
minibend LWR-7	7.00±.13 [177.8±3.3]	1.16:1	0.22	1.25:1	0.60	1.35:1	0.76	1.40:1	0.94
minibend LWR-8	8.00±.13 [203.2±3.3]	1.16:1	0.25	1.25:1	0.66	1.35:1	0.84	1.40:1	1.03
minibend LWR-9	9.00±.13 [228.6±3.3]	1.16:1	0.26	1.25:1	0.73	1.35:1	0.91	1.40:1	1.12
minibend LWR-10	10.00±.13 [254.0±3.3]	1.16:1	0.28	1.25:1	0.79	1.35:1	0.98	1.40:1	1.21
minibend LWR-11	11.00±.13 [279.4±3.3]	1.16:1	0.30	1.25:1	0.85	1.35:1	1.06	1.40:1	1.30
minibend LWR-12	12.00±.13 [304.8±3.3]	1.16:1	0.31	1.25:1	0.91	1.35:1	1.13	1.40:1	1.39
minibend LWR-13	13.00±.13 [330.2±3.3]	1.16:1	0.33	1.25:1	0.97	1.35:1	1.20	1.40:1	1.48
minibend LWR-14	14.00±.13 [355.6±3.3]	1.16:1	0.35	1.25:1	1.03	1.35:1	1.28	1.40:1	1.57
minibend LWR-15	15.00±.13 [381.0±3.3]	1.16:1	0.37	1.25:1	1.10	1.35:1	1.35	1.40:1	1.66
minibend LWR-16	16.00±.13 [406.4±3.3]	1.16:1	0.39	1.25:1	1.17	1.35:1	1.42	1.40:1	1.75
minibend LWR-									

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. EF	06/29/09
ELEC. RF	06/29/09
MECH. GSG	06/29/09
Q.C.	

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

TITLE CABLE ASSEMBLY, minibend LWR TYPE			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPPL. TO HANDBOOK H 28.	SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend LWR-XX
REV.			D

D	COMPANY LOGO UPDATE	01/15/13	ENG 2	APPROVED
REV.	DESCRIPTION	DATE	BY	APPROVED