CONTROL DRAWING

"L" 1.25 [16.4]
.104 [2.64] DIA. REF.
LOOSE MARKER
.20 [5.1] DIA. TYP.

INTERFACE REFERENCE PLANE

R.20 [5.1] MIN. TYP.
.33 [8.4] TYP.

HUBER+SUHNER
Astrolab
PART NUMBER
miniband L2S-2.5
miniband L2S-3
miniband L2S-3.5
miniband L2S-4
miniband L2S-4.5
miniband L2S-5
miniband L2S-5.5
miniband L2S-6
miniband L2S-6.5
miniband L2S-7
miniband L2S-8
miniband L2S-9
miniband L2S-10
miniband L2S-11
miniband L2S-12
miniband L2S-13
miniband L2S-14
miniband L2S-15
miniband L2S-16
miniband L2S-

HUBER-SUHNER DIMENSION "L" 2.0 GHz 12.4 GHz 18.0 GHz
PART NUMBER VSWR IL dB VSWR IL dB VSWR IL dB
miniband L2S-2.5 2.50 [63.5] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.59
miniband L2S-3 3.00 [76.2] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.64
miniband L2S-3.5 3.50 [88.9] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.69
miniband L2S-4 4.00 [101.6] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.72
miniband L2S-4.5 4.50 [114.3] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.76
miniband L2S-5 5.00 [127.0] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.80
miniband L2S-5.5 5.50 [139.7] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.83
miniband L2S-6 6.00 [152.4] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.87
miniband L2S-6.5 6.50 [165.1] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.91
miniband L2S-7 7.00 [177.8] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 0.94
miniband L2S-8 8.00 [203.2] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.02
miniband L2S-9 9.00 [228.6] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.09
miniband L2S-10 10.00 [254.0] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.16
miniband L2S-11 11.00 [279.4] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.24
miniband L2S-12 12.00 [304.8] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.31
miniband L2S-13 13.00 [330.2] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.38
miniband L2S-14 14.00 [355.6] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.46
miniband L2S-15 15.00 [381.0] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.53
miniband L2S-16 16.00 [406.4] 1.25 ±0.1 1.35 ±0.2 1.50 ±0.1 1.60
miniband L2S-

NOTES:
1. DESCRIPTION:
   CABLE ASSEMBLY, SMP FEMALE TO SMP FEMALE.

2. CABLE:
   COAXIAL CABLE HUBER-SUHNER Astrolab P/N 32024
   MEETS OR EXCEEDS MIL-DTL-17.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

3. CONNECTOR -A, SMP FEMALE:
   HUBER-SUHNER ASTROLAB P/N 29473C-32-24-1
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

4. CONNECTOR -B, SMP FEMALE:
   SAME AS CONNECTOR -A, SMP FEMALE.

NOTES CONTINUED:
5. MARKING:
   LODGE FITTING, WHITE SLEEVE CAPTIVATED
   ON THE CABLE ASSEMBLY.
   MARKING INCLUDES HUBER-SUHNER Astrolab
   PART NUMBER, CAGE CODE AND DATE
   CODE FOR DATE OF MANUFACTURE.
   OTHER MARKING AS DEFINED BY CUSTOMER.
   NO MARKING ON CABLE ASSEMBLIES SHORTER
   THAN 3.00 [76.2].
   MARKING ON PACKAGING ONLY.

6. ELECTRICAL CHARACTERISTICS:
   IMPEDANCE,
   REAL NO. OMS NOMINAL.
   FREQUENCY INERSETION LOSS VS VSWR
   SEE CHART.

7. MECHANICAL:
   OPERATING TEMPERATURE RANGE,
   -55° C TO +85° C.
   PULL STRENGTH TO 150 LBS [66.7 N].

8. ATTENUATION FORMULAS:
   8A. CALCULATE AT 12.4 GHz
   (DB) = -72 DB/FT. X (Lift)^3 30 DB
   8B. CALCULATE AT 18.0 GHz
   (DB) = -88 DB/FT. X (Lift)^4 43 DB

NOTES:
- UNLESS OTHERWISE SPECIFIED:
- CONCENTRICITY 200 3.25 DIA.
- CORNERS AND FILLETS 0.055 MAX. RADIUS OR CHAMFER.
- SURFACE FINISH 3.2 RMS MICRONICHES OR BETTER.

ROHS 5/6 COMPLIANT

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