CONTROL DRAWING

"L" ± .25 [6.4] TYP.

.104 [2.64] DIA. REF.

MIN. TYP.

.53 [13.5] TYP. REF.

.43 [10.9] TYP. REF.

INTERFACE REFERENCE PLANE

minibend L-XX
16301 YWWW

R.20 [5.1] MIN. TYP.

.39 [9.9] TYP.

INTERFACE REFERENCE PLANE

SMA PLUG TYP.

LOOSE MARKER TYP.

.11 [2.8] TYP.

minibend L-xx

Z

ROHS 5/6 COMPLIANT

NOTES:

1. DESCRIPTION:
   CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.

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 - SMA PLUG:
   HUBER-SUHNER AstroLab P/N 29945C-32-24
   INTERFACE DIMENSIONS AND MIL-STD-348.
   SEE HUBER-SUHNER AstroLab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

4. CONNECTOR - B - SMA PLUG:
   SAME AS CONNECTOR - A -.

NOTES CONTINUED:

5. MARKING:
   LOOSE FITTING, WHITE SLEEVING 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:
   50.0 Ohms NOMINAL.
   FREQUENCY, INSERTION LOSS AND VSWR
   SEE CHART.

7. MECHANICAL:
   OPERATING TEMPERATURE RANGE:
   -55°C TO +75°C, C.
   PULL STRENGTH TO 15.0 LBS. [66.7 N].

8. ATTENUATION FORMULAS:
   8A. CALCULATE AT 10.0 GHz
       (dB) = -88 dB/FT. X Lift+ .25 dB
   8B. CALCULATE AT 26.5 GHz
       (dB) = -108 dB/FT. X Lift+ .31 dB

NAME

PREP. GSG 08/11/98

ELEC. RF 08/12/98

MECH. GSG 08/12/98

O.C.

SCALE 1:1

CODE IDENT. 16301

DWG. NO.

REV. Z

ECN No. 15523 05/09/13 EB

REVISION DESCRIPTION DATE BY APPROVED

Z

UNLESS OTHERWISE SPECIFIED:
   CONCENTRICITY ± .015 IN.
   MAX. RADIAL OR AXIAL DISPLACEMENT ± .005 IN.
   SURFACE FINISH 63 RMS MICROINCHES OR BETTER.

ANGLES ± 1°

DO NOT SCALE DRAWING