NOTES:

1. DESCRIPTION.
   CABLE ASSEMBLY, SMA PLUG TO SMPM FEMALE, RUGGEDIZED AND SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BEND AT THE MINIMUM BEND RADIUS, CABLE ASSEMBLY WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.

2. CABLE.
   COAXIAL CABLE HUBER+SUHNER Astrolab P/N 3204.1E, 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 2904CR-32-41
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

4. CONNECTOR -B-, SMPM FEMALE.
   HUBER+SUHNER Astrolab P/N 2997CR-32-41
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

5. MARKING.
   ALL MARKING WILL BE DONE ON PACKAGING.

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.
   PULL STRENGTH TO 10.0 LBS. (44.5 N).

8. ATTENUATION FORMULAS:
   A. CALCULATE AT 18.0 GHz
      (db) = 1.45 dB/ft. X (ft)+1.36 dB
   B. CALCULATE AT 26.5 GHz
      (db) = 1.86 dB/ft. X (ft)+1.43 dB

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ROHS 5/6 COMPLIANT

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**CONTROL DRAWING**

**HUBER+SUHNER Astrolab**

**CABLE ASSEMBLY, SMA PLUG TO SMPM FEMALE**

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**SECTION**

**NAME**
PREP. AP
ELEC. RF
MECH. GSG
O.C. AG

**DATE**
11/20/03
11/21/03
11/21/03
11/21/03

**SCALE**
2:1

**CODE IDENT.**
16301

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**REV.** L

**ECN No.** 15788

**09/05/13**

**EB**

**DESCRIPTION**

**DATE**

**APPROVED**

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**FRACTIONS ± 1/16**

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**ANGLES ± 1°**

**DO NOT SCALE DRAWING**

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