CONTROL DRAWING

NOTES:
1. DESCRIPTION:
   CABLE ASSEMBLY, 2.9mm (SMK) PLUG TO 2.9mm (SMK) PLUG.

2. CABLE:
   COAXIAL CABLE HUBER-SUHNER Astrolab P/N 32081
   MEETS OR EXCEEDS MIL-DTL-17
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

3. CONNECTOR - A, 2.9mm (SMK) PLUG:
   HUBER-SUHNER Astrolab P/N 29094KC-32-81
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

4. CONNECTOR - B, 2.9mm (SMK) PLUG:
   SAME AS CONNECTOR - A.

5. MARKING:
   MARKING APPROXIMATELY CENTERED DIRECTLY ON CABLE AS FOLLOWS:
   MINIBEND K-XX YYYY
   WHERE XX DENOTES THE LENGTH OF THE CABLE ASSEMBLY AND YYYY IS THE DATE CODE
   FOR DATE OF MANUFACTURE.
   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 +125°C
   PULL STRENGTH TO 15.0 lbs [66.7 N].

8. ATTENUATION FORMULAS:
   8A. CALCULATE AT 26.5 GHz
   (dB) = 1.45 dB/ft x (L(ft)) + 31 dB
   8B. CALCULATE AT 40.0 GHz
   (dB) = 1.84 dB/ft x (L(ft)) + 50 dB

ROHS 5/6 COMPLIANT

HUBER-SUHNER Astrolab

CABLE ASSEMBLY, 2.9mm PLUG TO 2.9mm PLUG

PREP. M.P
ELEC. R.F
MECH. G.S.G
O.C.

UNLESS OTHERWISE SPECIFIED:
CONCENTRICITY: 5% T.I.R.
CORNERS AND FILLETS: 0.005 MAX. RADIUS OR CHAMFER.
SURFACE FINISH 63 RMS MICROINCHES OR BETTER.

FRACTIONS ± 1/32
X ± 0.015
XX ± 0.010
XXX ± 0.008

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.