CONTROL DRAWING

2.9mm (SMK) PLUG TYP.
.11 [2.8] TYP.

EPOXY TYP.
.71 [18.0] TYP. REF.

.53 [13.5] TYP. REF.

L.142 [3.6] DIA. REF.
LOOSE MARKER SEE NOTES

R.33 [R8.4] MIN. TYP.

.41 [10.4] TYP.

INTERFERENCE PLANE

INTERFERENCE PLANE

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

2. CABLE,
COAXIAL CABLE HUBER+SUHLER AstroLab
P/N 37022E MEETS OR EXCEEDS MIL-DTL-17.
SEE HUBER+SUHLER AstroLab CONTROL DRAWING
FOR MATERIALS AND FINISHES.

3. CONNECTOR - A-, 2.9mm (SMK) PLUG:
HUBER+SUHLER AstroLab P/N 29094KCR-32-22
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHLER AstroLab CONTROL DRAWING
FOR MATERIALS AND FINISHES.

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

5. MARKING:
LOOSE, WHITE SLEEVING CAPTIVATED
ONTO CABLE ASSEMBLY.
MARKING WILL INCLUDE THE HUBER+SUHLER
AstroLab PART NUMBER, CAGE CODE
AND DATE CODE FOR DATE OF MANUFACTURE.

NOTES CONTINUED:
NO MARKING ON CABLE ASSEMBLIES
SHORTER THAN 3.0" [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.

8. ATTENUATION FORMULAS:
8A. CALCULATE AT 26.5 GHz
(dB) = 67 dB/FT. X L (ft.) + .31 dB

8B. CALCULATE AT 40.0 GHz
(dB) = .83 dB/FT. X L (ft.) + .51 dB

ROHS 5/6 COMPLIANT

HUBER+SUHLER AstroLab

PREP.  BG  12/05/01
ELEC. RF  12/05/01
MECH. GSG  12/05/01
O.C. AG  12/05/01

CABLE ASS’Y, 2.9mm (SMK) PLUG TO 2.9mm (SMK) PLUG, mini141 TYPE

UNLESS OTHERWISE SPECIFIED
CONCENTRICITY, .010 MIN. CABLE.
END SMOOTHE EDGE, SHARPNESS .005 MAX.
RECORD, FOLDER AND CABLE SURFACE FINISH IS RMS MICROSCOPES OR BETTER.

FRACTIONS
X ± .030
XX ± .015
XXX ± .005
ANGLES ± 1°

DO NOT SCALE DRAWING

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISION OF HUBER+SUHLER AstroLab.

ECN No. 15819  09/24/13  EB

MINI141 K-XX

CABLE ASS’Y, 2.9mm (SMK) PLUG TO 2.9mm (SMK) PLUG, mini141 TYPE