CONTROL DRAWING

ROHS 6 COMPLIANT

NOTES:
1. DESCRIPTION:
   CABLE ASSEMBLY, 2.9mm PLUG TO SMPM-T THREADED
   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.
   THE RETAINING NUT GUARANTEES FULL AND CONSTANT
   SMPM-T CONNECTOR MATING DURING VIBRATION
   AND SHOCK.

2. CABLE:
   COAXIAL CABLE HUBER-SUHNER Astrolab P/N 32041E
   MEETS OR EXCEEDS MIL-DTL-17.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

3. CONNECTOR - A-, 2.9mm PLUG:
   HUBER-SUHNER Astrolab P/N 29094KCR-32-41
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

4. CONNECTOR - B-, SMPM-T THREADED FEMALE:
   HUBER-SUHNER Astrolab P/N 29971TCR-32-41
   INTERFACE DIMENSIONS IAW MIL-STD-348.
   SEE HUBER-SUHNER Astrolab CONTROL DRAWING
   FOR MATERIALS AND FINISHES.

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

NOTES CONTINUED:

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
   TORQUE RETAINING NUT TO 22.0±2.0 IN.-OZ
   [0.515 Nm±0.046Nm]

8. ATTENUATION FORMULAS:
   BA.
   CALCULATE AT 26.5 GHz
   (dB) = 1.80 dB/FT. x Lift+1+.39 dB
   BB.
   CALCULATE AT 4.0 GHz
   (dB) = 2.25 dB/FT. x Lift+1+.59 dB

HUBER-SUHNER Astrolab
PART NUMBER

<table>
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<tr>
<th>HUBER-SUHNER Astrolab</th>
<th>PART NUMBER</th>
<th>DIMENSION &quot;L&quot;</th>
<th>2.0 GHz</th>
<th>18.0 GHz</th>
<th>26.5 GHz</th>
<th>40.0 GHz</th>
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<tr>
<td>microplug KTR-25</td>
<td>2.50 [63.5]</td>
<td>1.20±0.23</td>
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THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY
INFORMATION. THE DESIGN CANNOT BE REPRODUCED
WITHOUT PERMISSION OF HUBER + SUHNER ASTROLAB.

CABLE ASSEMBLY, 2.9mm PLUG TO SMPM-T THREADED FEMALE, RUGGEDIZED

THDS. TO BE IN ACCORD WITH U.S.
DEPT. OF COMM. SCREW THE 4-40 SCREW
TO HANDBOOK N 28.

SCALE / CODE / IDENT. / DWG NO. / REV
2:1 / 16301 / D