CONTROL DRAWING

NOTES:

1. DESCRIPTION,
   CABLE ASSEMBLY, 2.9mm 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 320416E.
   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 29904KCR-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 29971CR-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:
   8A. CALCULATE AT 25.6 GHz
   (dB) = 1800 dB/FT. X L(ft.) + 39 dB
   8B. CALCULATE AT 40.0 GHz
   (dB) = 2.5 dB/FT. X L(ft.) + 59 dB

SEE NOTE 8

CABLE ASSEMBLY, 2.9mm PLUG TO SMPM FEMALE, RUGGEDIZED