1. DESCRIPTION,
CONNECTOR, HIGH PRECISION, HIGH POWER, PSM PLUG,
FOR HUBER+SUNHER Astrolab SEMI-RIGID 30141
(REF. MIL-DTL-17/130)
RADIO FREQUENCY COAXIAL CABLE
CONNECTOR IS LOW OUTGASSING AND MEETS
NASA REQUIREMENTS FOR SPACE APPLICATIONS.

2. MATERIALS AND FINISHES,
BODY, CONTACT, SNAP RING, SOLDER BUSHING AND RETAINING NUT
BERYLLIUM COPPER ALLOY PER ASTM B-196,
UNS No. C17300, TEMPER T004(H).
GOLD PLATED 100 μm (2.54μm) MIN. THK.
PER ASTM B-488, CODE C, TYPE II
OVER
30 μm (0.76 μm) MIN. COPPER FLASH.
INTERFACE NUT,
BERYLLIUM COPPER, PER ASTM B-197,
UNS No. C17200 TEMPER T004(H).
GOLD PLATED 50 μm (1.27 μm) MIN. THK.
PER ASTM B-488, CODE C, TYPE II
OVER
30 μm (0.76 μm) MIN. COPPER FLASH.
DIELECTRIC,
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710
OR ASTM D-4984, TYPE I, GRADE 1.
O-RING,
FLUOROSILICONE FILLED WITH SILVER PLATED ALUMINUM PER MIL-G-83528 TYPE D.

3. ELECTRICAL CHARACTERISTICS:
IMPEDANCE
50.0 Ohms NOMINAL.
FREQUENCY
18 GHz MAX.

4. PSM PLUG INTERFACE IAW HUBER+SUNHER A.G.
PUBLISHED INFORMATION.

5. OPERATING TEMPERATURE RANGE
-55° C TO +125° C

PSM PLUG, FOR H+S Astrolab 30141 SEMIRIGID CABLE

UNLESS OTHERWISE SPECIFIED:
CONCENTRICITY: 300 TIR.
CORNERS AND FILLETS 0.005 MAX. RADIUS OR CHAMFER.
SURFACE FINISH .63 RMS MICROINCHES OR BETTER.

NAME | DATE
PREP. | AKP | 05/24/17
ELEC. | RF | 05/24/17
MECH. | GSG | 05/24/17
O.C. | | 

FRACTIONS
X ± 1/16
XX ± 0.015
XXX ± 0.005
ANGLES ± 1°

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