

# CONTROL DRAWING

33\_TNC-PSM-50-1

B

**NOTES:**

1. DESCRIPTION,  
ADAPTOR, PSM JACK TO TNC PLUG.

2. MATERIALS AND FINISHES  
BODY,

STEEL, CORROSION RESISTANT PER ASTM A-582,  
UNS No. S30300, COND. A, NON MAGNETIC,  
PASSIVATED PER SAE-AMS-2700.  
NO DICHROMATE SOLUTIONS USED.

TNC NUT AND CENTER CONDUCTOR,  
BERYLLIUM COPPER ALLOY PER ASTM B-196,  
UNS No. C17300, TEMPER TD04(H).

CENTER CONDUCTOR IS  
GOLD PLATED 50 μIN (1.27 μM) MIN. THK.  
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27 OVER  
30 μIN (0.76 μM) MIN. COPPER FLASH.  
NO NICKEL UNDERPLATE USED.

TNC NUT, CHEMICAL FINISH, BLACK PER MIL-F-495.

HEAT SINK,  
ALUMINUM, 6061-T6, OR 6061-T651  
COMPLIANT TO SAE AMS-QQ-A-250/11,  
OR AMS-QQ-A-225/8, OR AMS 4027.

BLACK ANODIZED PER MIL-A-8625F, TYPE II,

DIELECTRIC  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710 OR  
ASTM D-4894, TYPE I, GRADE 1.

3. ELECTRICAL CHARACTERISTICS:

IMPEDANCE  
50.0 Ohms NOMINAL.

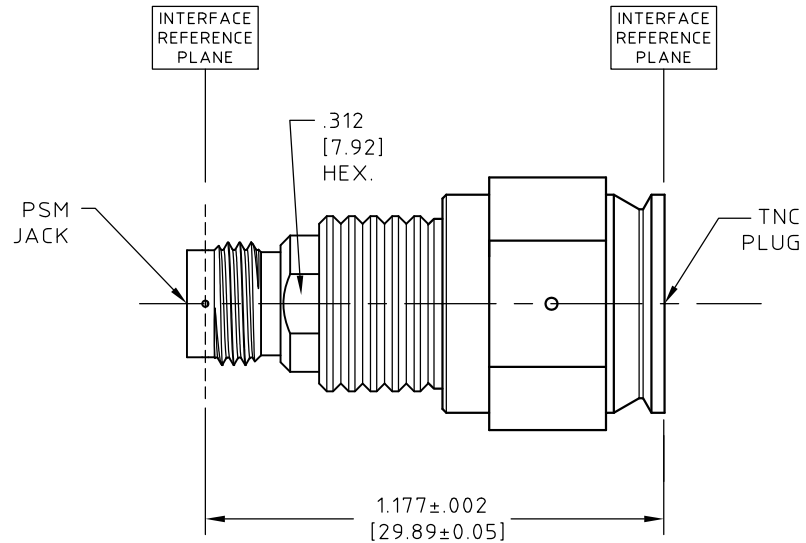
FREQUENCY  
14.0 GHz MAX.

INSERTION LOSS  
0.30 dB MAX.


VSWR  
1.35 : 1 MAX.

4. TNC INTERFACE MEETS MIL-STD-34.8.

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



NAME	DATE
PREP. GSG	08/18/16
ELEC. RF	08/19/16
MECH. MG	08/19/16
Q.C.	



**HUBER+SUHNER**  
**Astrolab**

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

UNLESS OTHERWISE SPECIFIED  
CONCENTRICITY .004 T.I.R.  
CORNERS AND FILLETS .005  
MAX. RADIUS OR CHAMFER.  
SURFACE FINISH 63 RMS  
MICROINCHES OR BETTER.

FRACTIONS	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

TITLE		SCALE	CODE IDENT.	DWG NO.	REV
<b>ADAPTOR, PSM JACK TO TNC PLUG</b>		2:1	16301	33_TNC-PSM-50-1	B
<small>THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.</small>					

REV.	DESCRIPTION	DATE	BY	APPROVED
B	ECN No. 20298	06/12/18	KF	