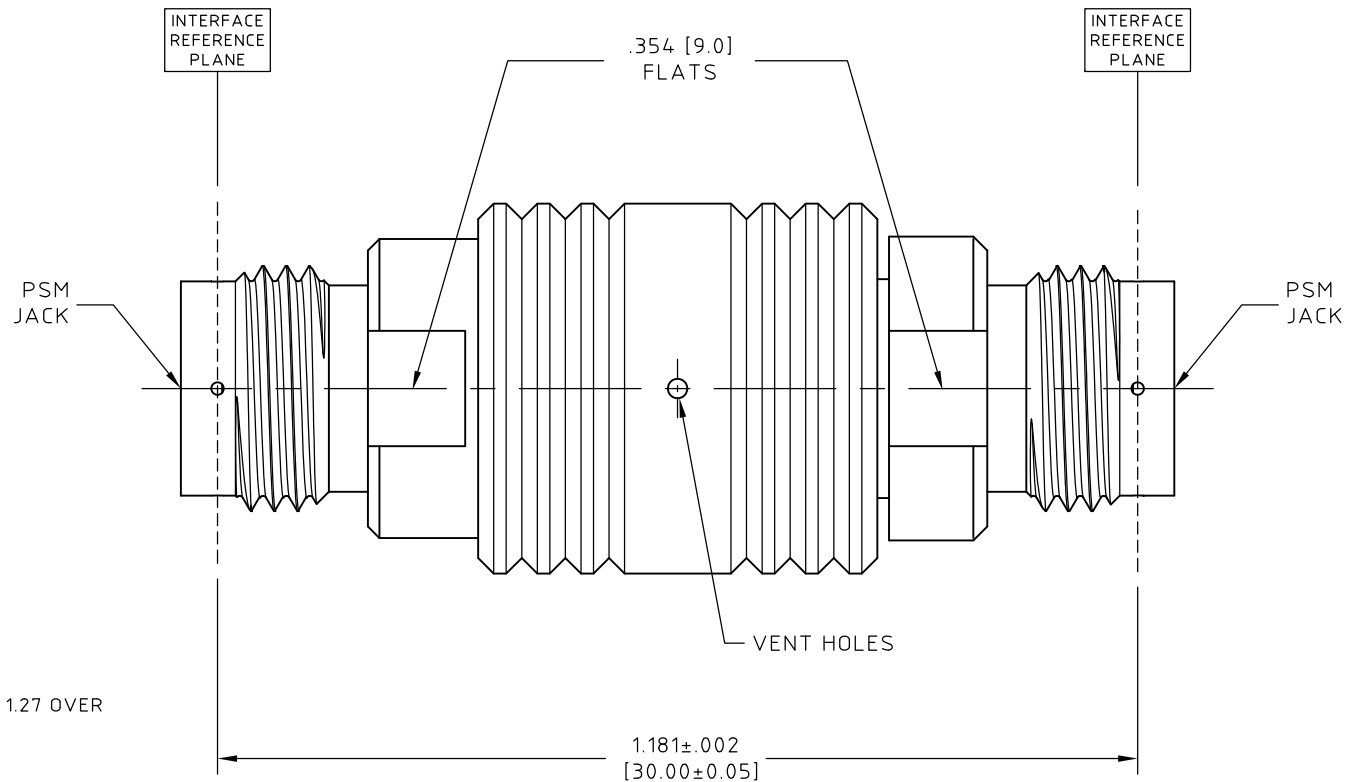


# CONTROL DRAWING

31\_PSM-PSM-50-1

C



**NOTES:**

1. DESCRIPTION,  
ADAPTOR, PSM JACK TO SAME.

2. MATERIALS AND FINISHES  
 BODY AND CENTER CONDUCTOR,  
 BERYLLIUM COPPER ALLOY PER ASTM B-196,  
 UNS No. C17300, TEMPER TD04(H).  
 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.

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


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,

3. ELECTRICAL CHARACTERISTICS:  
 IMPEDANCE  
 50.0 Ohms NOMINAL.  
 FREQUENCY  
 16.0 GHz MAX.  
 INSERTION LOSS  
 0.30 dB MAX.  
 VSWR  
 1.35 : 1 MAX.

4. PSM JACK INTERFACE AS DEFINED BY  
 HUBER+SUHNER A.G.

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

NAME	DATE
PREP. WR	02/14/18
ELEC. RF	02/14/18
MECH. AW	02/20/18
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 SAME</b>		4:1	16301	31_PSM-PSM-50-1	C
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.					

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