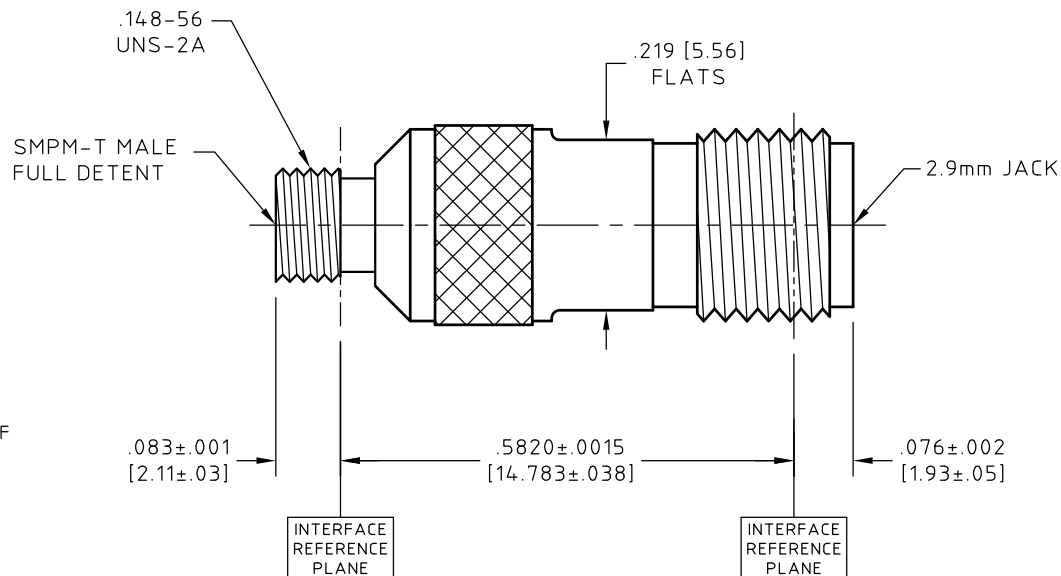


## CONTROL DRAWING

29429-4T2

B



## NOTES:

## 1. DESCRIPTION:

ASTRO-PHASE-SERIES ADAPTOR,  
SMPM-T MALE, FULL DETENT TO 2.9mm JACK.  
THIS ADAPTOR IS PART OF ASTRO-PHASE-SERIES, A SERIES OF  
PHASE MATCHED ADAPTORS, OFFERED BY  
HUBER+SUHNER Astrolab.

## 2. MATERIALS AND FINISHES:

BODY AND CENTER CONDUCTOR,  
BERYLLIUM COPPER ALLOY PER ASTM B-196,  
UNS No. C17300, TEMPER TD04(H),  
GOLD PLATED .000050 IN (1.27 µM) MIN. THK.  
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27  
OVER  
NICKEL PLATE, .000050 IN (1.27 µM) MIN. THK.  
PER SAE-AMS-QQ-N-290, CLASS 1.  
DIELECTRIC,  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,  
OR ASTM D-4894, TYPE I, GRADE 1, CLASS A,  
AND  
POLYETHERIMIDE RESIN (PEI) (G.E. ULTEM®) PER ASTM D-5205

## 3. ELECTRICAL CHARACTERISTICS:

IMPEDANCE  
50.0 Ohms NOMINAL.  
FREQUENCY  
40.0 GHz MAX.  
INSERTION LOSS  
0.40 dB MAX.  
VSWR  
1.35 : 1 MAX.


## 4. INTERFACES MEET MIL-STD-348.

## 5. OPERATING TEMPERATURE RANGE:

-55° C TO +125° C.

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	

NAME		DATE	 <b>HUBER+SUHNER</b> <b>Astrolab</b> <small>THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.</small>	
PREP.	GS	08/03/12		
ELEC.				
MECH.	GSG	08/08/12		
Q.C.				
TITLE ADAPTOR, SMPM-T MALE, FULL DETENT TO 2.9mm JACK				
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDs. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 4:1	CODE IDENT. 16301	DWG NO. 29429-4T2	REV B

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