

# CONTROL DRAWING

29429-1T2

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**NOTES:**

1. DESCRIPTION:  
ADAPTOR, SMPM-T MALE TO 2.9mm PLUG.

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, TYPE 1.

NUT,  
STEEL, CORROSION RESISTANT PER ASTM A-582,  
UNS No. S30300, COND. A, NON MAGNETIC,  
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, TYPE 1.

DIELECTRIC,  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,  
OR ASTM D-4894, TYPE I, GRADE 1. AND  
POLYETHERIMIDE RESIN (PEI) (G.E. ULTEM®) PER ASTM D-5205

RETAINING RING,  
BERYLLIUM COPPER, PER ASTM B-197 OR B-441,  
UNS No. C17200 TEMPER TD04(H)

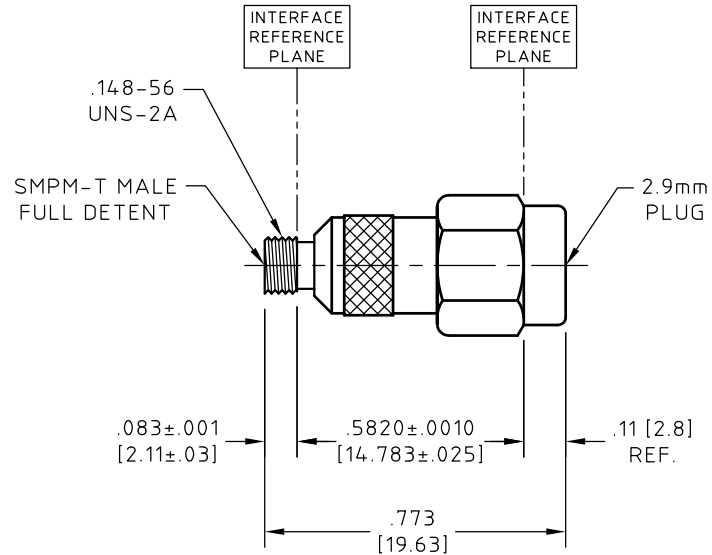
OUTGASSING,  
ASSEMBLY MEETS OR EXCEEDS NASA  
LOW OUTGASSING REQUIREMENTS.

3. ELECTRICAL CHARACTERISTICS:

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

4. INTERFACES MEETS 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
PREP. GSG	04/27/07
ELEC. RF	05/01/07
MECH. AW	05/01/07
Q.C.	



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

TITLE		<b>ADAPTOR, SMPM-T MALE TO 2.9mm PLUG</b>	
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE	CODE IDENT.	DWG NO.
	2:1	16301	29429-1T2
REV.	DESCRIPTION	DATE	BY

D	COMPANY LOGO UPDATED	10/04/13	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED