

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)

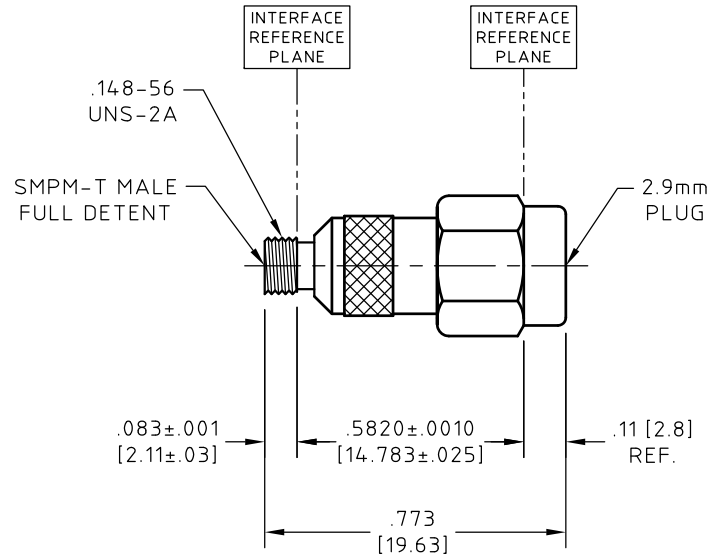
OUTGASSING,
 ASSEMBLY MEETS OR EXCEEDS NASA
 LOW OUTGASSING REQUIREMENTS.

3. ELECTRICAL CHARACTERISTICS:

IMPEDANCE
 50.0 Ohms NOMINAL.
 FREQUENCY
 40.0 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	ADAPTOR, SMPM-T MALE TO 2.9mm PLUG		
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