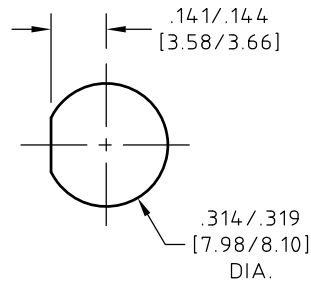


CONTROL DRAWING

29285G

S



PANEL CUT OUT (PC4)

TORQUE MOUNTING NUT
TO 20.0±2.0 IN-LBS.
[2.26±.23 Nm]

NOTES:

1. MATERIALS AND FINISHES

BODY AND MOUNTING NUT,

STEEL, CORROSION RESISTANT PER ASTM A-582,
UNS No. S30300, COND. A, NON MAGNETIC,
PASSIVATED PER SAE-AMS-2700 OR ASTM A-967.
NO DICHROMATE SOLUTIONS USED.

OR

NICKEL PLATED .000100 IN MIN. THK. (2.54 MICRO METERS)
PER SAE-AMS-C-26074 OR ASTM B-733.

CENTER CONDUCTOR,

BERYLLIUM COPPER ALLOY PER ASTM B-196,
UNS No. C17300, TEMPER TD04(H),
GOLD PLATED .000050 IN MIN. THK. (1.27 MICRO METERS)
PER ASTM B-488, CODE C, TYPE II,

OVER

NICKEL PLATE, .000050 IN MIN. THK. PER SAE-AMS-QQ-N-290,
OR ASTM B-689 TYPE 1.

FEEDTHRU BODY AND PIN,

KOVAR PER ASTM F-15 AND F-1466 (MIL-I-23011 CLASS1) UNS K94610
GOLD PLATED .000050 IN MIN. THK. (1.27 MICRO METERS)
PER MIL-C-45204 TYPE III, GRADE A OVER

NICKEL PLATE, .000100 TO .000200 IN THK. PER MIL-C-26074.

FEEDTRU DIELECTRIC,

CORNING No. 7070 GLASS

DIELECTRIC,

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

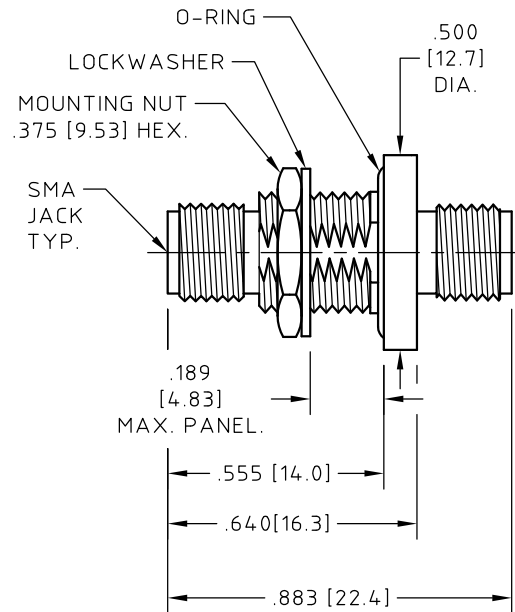
LOCKWASHER,

COPPER ALLOY CDA 425, UNS No. C42500 PER ASTM B-591
OR

COPPER ALLOY CDA 510, UNS No. C51000 PER ASTM B-103,
NICKEL PLATED .000100 IN MIN. THK. (2.54 MICRO METERS)
PER SAE-AMS-C-26074 OR ASTM B-733.

O-RING,

SILICONE RUBBER PER GSA CID A-A-59588-2B
AND SAE-AMS-3304.



NOT RoHS COMPLIANT

NOTES CONTINUED:

2. ELECTRICAL CHARACTERISTICS:

IMPEDANCE

50.0 Ohms NOMINAL.

FREQUENCY

22.0 GHz MAX.

INSERTION LOSS

0.55 dB MAX.

VSWR

1.30 : 1 MAX. AT 10.0 GHz.

1.45 : 1 MAX. AT 22.0 GHz.

3. INTERFACE MEETS MIL-STD-348.

NOTES CONTINUED:

4. OPERATING TEMPERATURE RANGE

-55° C TO +125° C.

5. HERMETIC SEAL:

100% OF CONNECTORS ARE TESTED
PER ASTROLAB PS11606 AND
QUALIFIED FOR LEAKAGE RATES
LESS THAN 1 X 10E-8 CCM/SEC.
OF HELIUM UNDER PRESSURE
DIFFERENTIAL OF 15.00 PSIG, IAW
ASTM E-498, AND MIL-STD-202
AND MIL-STD-883.

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	HUBER+SUHNER Astrolab THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.		
PREP.					
ELEC.					
MECH.					
Q.C.					
TITLE					
ADAPTOR, SMA JACK TO SMA JACK, BULKHEAD, HERMETIC					
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.	REV
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S	"RoHS" UPDATED	01/30/18	EF	
REV.	DESCRIPTION	DATE	BY	APPROVED