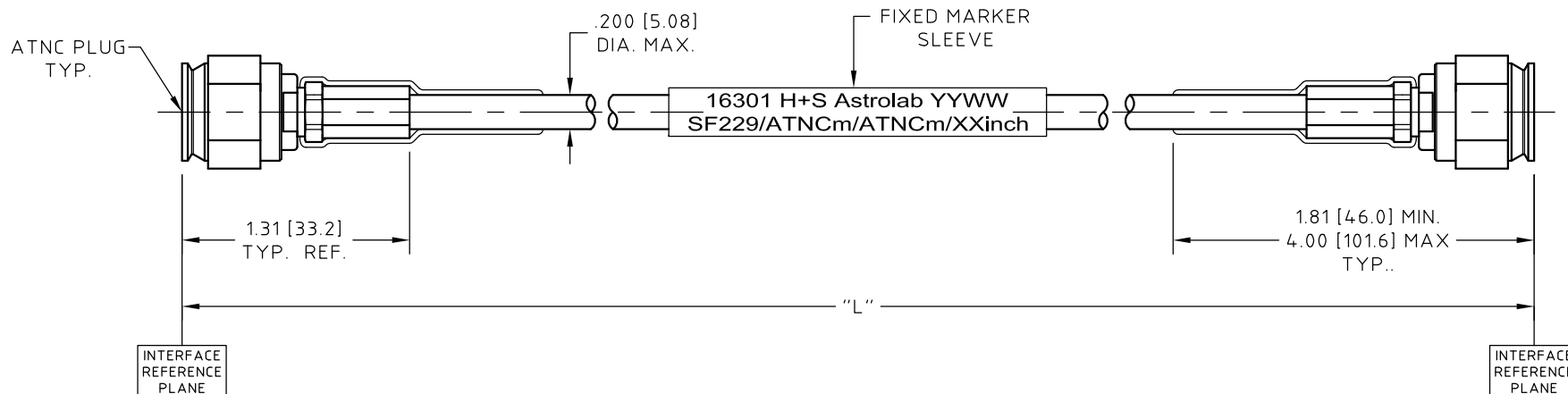


# CONTROL DRAWING

SF229/ATNCm/ATNCm/XXinch

H



**NOTES:**

- DESCRIPTION,  
CABLE ASSEMBLY, 100% ROHS 6 COMPLIANT,  
ATNC PLUG TO ATNC PLUG.
- CABLE,  
COAXIAL CABLE, HUBER+SUHNER Astrolab P/N SF229  
MEETS OR EXCEEDS MIL-DTL-17.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, ATNC PLUG:  
HUBER+SUHNER Astrolab P/N 29882HT-SF229  
IAW MIL-STD-348.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, ATNC PLUG:  
SAME AS CONNECTOR -A-.
- MARKING:  
MATERIAL, HEAT SHRINKABLE SLEEVING PER  
SAE-AMS-DTL-23053.  
MARKING, .060 [1.52] MIN. TALL CHARACTERS IN  
CONTRASTING COLOR AND IAW MIL-STD-130,  
DATE CODE PER MIL-STD-1285.  
MARKING PERMANENCE IAW SAE-AMS-81531.
- ELECTRICAL CHARACTERISTICS:  
IMPEDANCE,  
50.0 Ohms NOMINAL.  
FREQUENCY, INSERTION LOSS AND VSWR,  
SEE CHART.
- MECHANICAL:  
OPERATING TEMPERATURE RANGE,  
-55° C TO +125° C.

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	12.0 GHz		18.0 GHz	
		VSWR	IL, dB	VSWR	IL, dB
SF229/ATNCm/ATNCm/36inch	36.00±.18 [914.4±4.6]	1.25:1	1.14	1.30:1	1.42
SF229/ATNCm/ATNCm/48inch	48.00±.18 [1219.2±4.6]	1.25:1	1.42	1.30:1	1.77
SF229/ATNCm/ATNCm/72inch	72.00±.25 [1828.8±6.4]	1.25:1	1.98	1.30:1	2.44

**RoHS 6 COMPLIANT**

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. EB	09/10/14
ELEC. RF	09/10/14
MECH. GSG	09/10/14
Q.C.	

**HUBER+SUHNER**  
**Astrolab**

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

TITLE	<b>CABLE ASSEMBLY</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 1:1	CODE IDENT. 16301	DWG NO. SF229/ATNCm/ATNCm/XXinch

H	ECN No. 17149	06/03/15	GS	
REV.	DESCRIPTION	DATE	BY	APPROVED

REV  
H