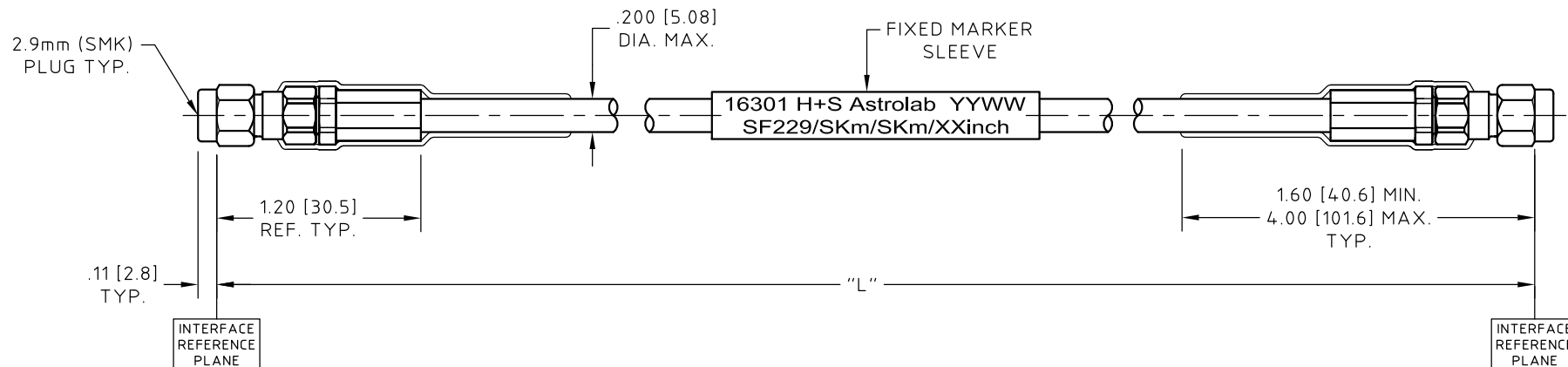


# CONTROL DRAWING

SF229/SK<sub>m</sub>/SK<sub>m</sub>/XXinch

F



**NOTES:**

- DESCRIPTION,  
CABLE ASSEMBLY, 100% ROHS 6 COMPLIANT,  
2.9mm (SMK) PLUG TO 2.9mm (SMK) 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-, 2.9mm (SMK) PLUG:  
HUBER+SUHNER Astrolab P/N 29094KHT-SF229  
INTERFACE DIMENSIONS IAW MIL-STD-348.  
SEE HUBER+SUHNER Astrolab CONTROL DRAWING  
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.9mm (SMK) 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,  
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]	6.0 GHz		18.0 GHz		29.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
SF229/SK <sub>m</sub> /SK <sub>m</sub> /36inch	36.00±.18 [914.4±4.6]	1.22:1	0.74	1.25:1	1.37	1.30:1	1.84
SF229/SK <sub>m</sub> /SK <sub>m</sub> /48inch	48.00±.18 [1219.2±4.6]	1.22:1	0.93	1.25:1	1.72	1.30:1	2.30
SF229/SK <sub>m</sub> /SK <sub>m</sub> /72inch	72.00±.25 [1828.8±6.4]	1.22:1	1.31	1.25:1	2.42	1.30:1	3.20

**RoHS 6 COMPLIANT**

NAME	DATE	
PREP. EB	09/09/14	
ELEC. RF	09/12/14	
MECH. GSG	09/12/14	
Q.C.		THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

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

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	CODE IDENT.	DWG NO.	REV
	1:1	16301	SF229/SK <sub>m</sub> /SK <sub>m</sub> /XXinch	F

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