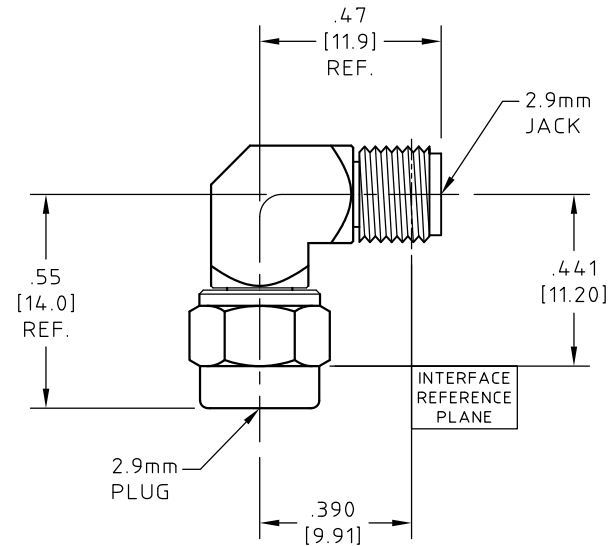


NOTES:


1. DESCRIPTION:
ADAPTOR, 2.9mm JACK TO 2.9mm PLUG, 90°.
2. MATERIALS AND FINISHES:
 BODY AND NUT,
 STEEL, CORROSION RESISTANT PER ASTM A-582,
 UNS No. S30300, COND. A, NON MAGNETIC,
 PASSIVATED PER SAE-AMS-2700.
 NO DICHROMATE SOLUTIONS USED.
 CENTER CONDUCTOR AND BUSHING,
 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.
 DIELECTRIC,
 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).
3. ELECTRICAL CHARACTERISTICS:
 IMPEDANCE
 50.0 Ohms NOMINAL.
 FREQUENCY
 40.0 GHz MAX.
4. INTERFACE MEETS MIL-STD-348.
5. OPERATING TEMPERATURE RANGE:
 -55° C TO +125°



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	

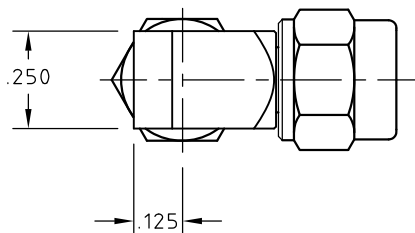
NAME	DATE
PREP. EB	05/04/11
ELEC. RF	08/17/11
MECH. GSG	05/05/11
Q.C.	



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TITLE	ADAPTOR, 2.9mm JACK TO 2.9mm PLUG, 90°			
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
	2:1	16301	29212K-1	C

REV.	DESCRIPTION	DATE	BY	APPROVED
C	UPDATED NOTE 3, COMPANY LOGO	03/04/14	KC	



NOTES:

1. DESCRIPTION:

ADAPTOR, 2.9mm PLUG TO 2.9mm PLUG, 90°.

2. MATERIALS AND FINISHES:

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

CENTER CONDUCTOR AND BUSHING,
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.

DIELECTRIC,
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).

3. ELECTRICAL CHARACTERISTICS:

IMPEDANCE
50.0 Ohms NOMINAL.

FREQUENCY
4.0 GHz MAX.

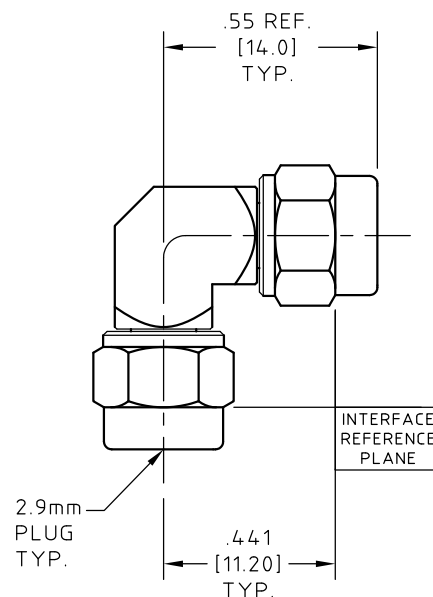
INSERTION LOSS
0.55 dB MAX.

VSWR
1.35:1 MAX.

4. INTERFACE MEETS MIL-STD-348.

5. OPERATING TEMPERATURE RANGE:


-55° C TO +125°



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	05/05/11
ELEC.	RF	08/17/11
MECH.	GSG	05/05/11
Q.C.		

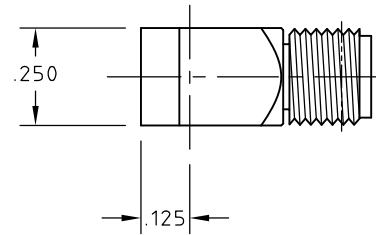


HUBER+SUHNER
Astrolab

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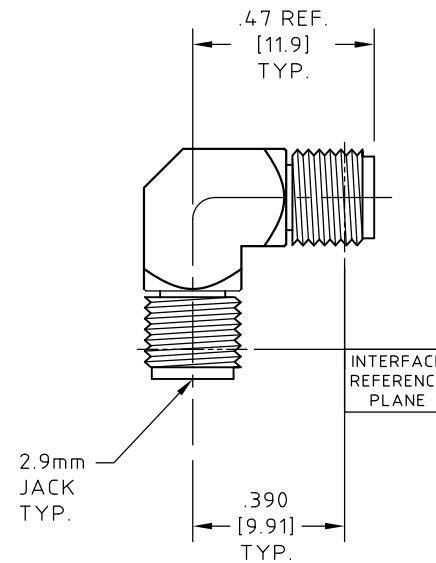
TITLE ADAPTOR, 2.9mm PLUG TO 2.9mm PLUG, 90°		SCALE 2:1	CODE IDENT. 16301	DWG NO. 29212K-2	REV C
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C	COMPANY LOGO UPDATE	04/16/18	KF	
REV.	DESCRIPTION	DATE	BY	APPROVED



NOTES:

1. DESCRIPTION:
ADAPTOR, 2.9mm JACK TO 2.9mm JACK, 90°.
2. MATERIALS AND FINISHES:
BODY AND NUT,
STEEL, CORROSION RESISTANT PER ASTM A-582,
UNS No. S30300, COND. A, NON MAGNETIC,
PASSIVATED PER SAE-AMS-2700.
NO DICHROMATE SOLUTIONS USED.
CENTER CONDUCTOR AND BUSHING,
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.
DIELECTRIC,
POLYETHERIMIDE RESIN (PEI) (G.E. ULTEM®)
PER ASTM D-5205.
3. ELECTRICAL CHARACTERISTICS:
IMPEDANCE
50.0 Ohms NOMINAL.
FREQUENCY
40.0 GHz MAX.
INSERTION LOSS
0.55 dB MAX.
VSWR
1.35:1 MAX.
4. INTERFACE MEETS MIL-STD-348.
5. OPERATING TEMPERATURE RANGE:
-55° C TO +125°



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	05/05/11
ELEC.	RF	08/17/11
MECH.	GSG	05/05/11
Q.C.		



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TITLE		ADAPTOR, 2.9mm JACK TO 2.9mm JACK, 90°		
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
	2:1	16301	29212K-3	C

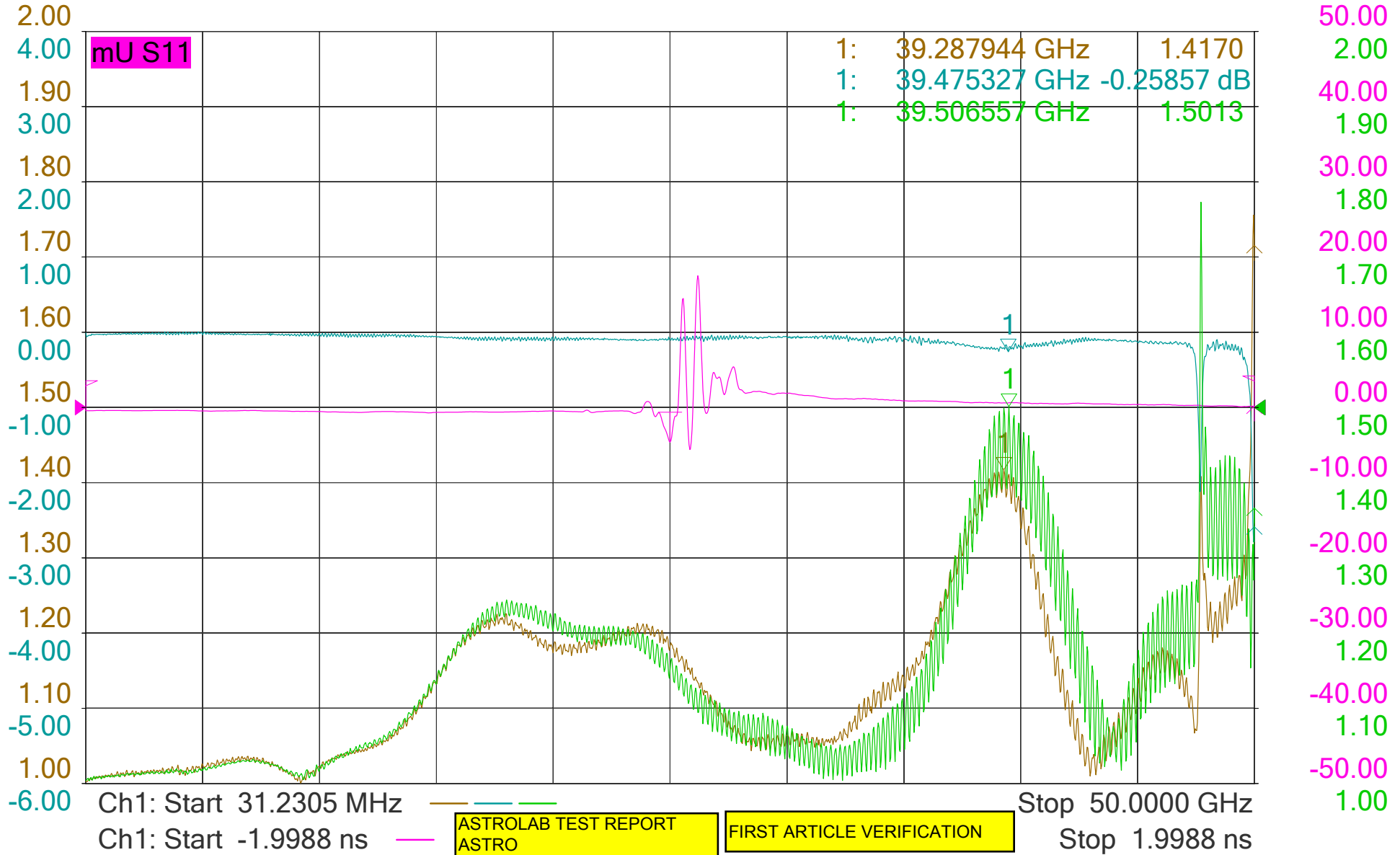
C	COMPANY LOGO UPDATE	04/16/18	KF	
REV.	DESCRIPTION	DATE	BY	APPROVED

Window 1 (1) S11 Units
SWR C 2-Port

(2) S21 dB
LogMag C 2-Port

(3) S11 Units
Real C 2-Port

(4) S22 Units
SWR C 2-Port



Trace Attributes					
Window	ID	Trace	Channel	Correction	Options
1	1	S11	1	C 2-Port	
	2	S21	1	C 2-Port	
	3	S11	1	C 2-Port	T
	4	S22	1	C 2-Port	