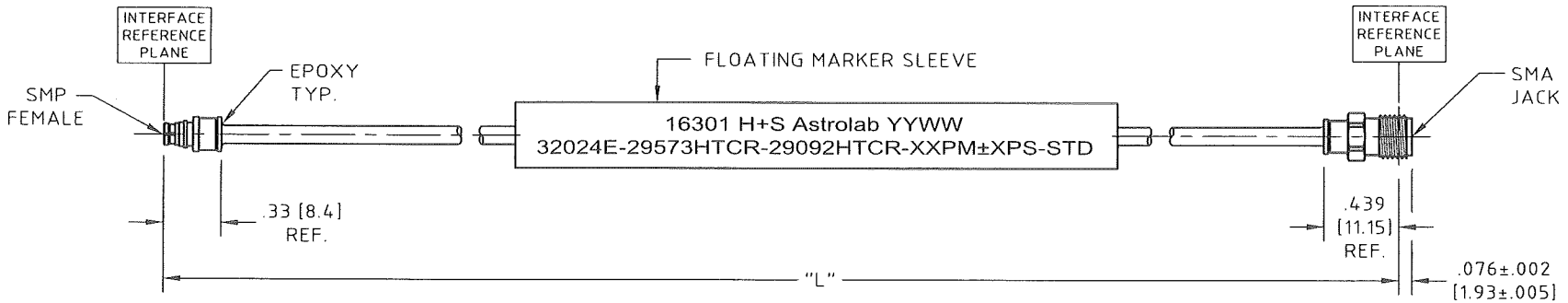
CONTROL DRAWING

32024E-29573HTCR-29092HTCR-XXPM±XPS-STD

B



HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L" IN [mm]	2.0 GHz		12.4 GHz		18.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
32024E-29573HTCR-29092HTCR-2.5PM±XPS-STD	2.50±.13 [63.5±3.3]	1.18:1	0.19	1.30:1	0.39	1.45:1	0.57
32024E-29573HTCR-29092HTCR-3PM±XPS-STD	3.00±.13 [76.2±3.3]	1.18:1	0.20	1.30:1	0.43	1.45:1	0.61
32024E-29573HTCR-29092HTCR-3.5PM±XPS-STD	3.50±.13 [88.9±3.3]	1.18:1	0.21	1.30:1	0.47	1.45:1	0.65
32024E-29573HTCR-29092HTCR-4PM±XPS-STD	4.00±.13 [101.6±3.3]	1.18:1	0.23	1.30:1	0.50	1.45:1	0.68
32024E-29573HTCR-29092HTCR-4.5PM±XPS-STD	4.50±.13 [114.3±3.3]	1.18:1	0.24	1.30:1	0.53	1.45:1	0.72
32024E-29573HTCR-29092HTCR-5PM±XPS-STD	5.00±.13 [127.0±3.3]	1.18:1	0.25	1.30:1	0.56	1.45:1	0.76
32024E-29573HTCR-29092HTCR-5.5PM±XPS-STD	5.50±.13 [139.7±3.3]	1.18:1	0.26	1.30:1	0.59	1.45:1	0.79
32024E-29573HTCR-29092HTCR-6PM±XPS-STD	6.00±.13 [152.4±3.3]	1.18:1	0.28	1.30:1	0.62	1.45:1	0.83
32024E-29573HTCR-29092HTCR-6.5PM±XPS-STD	6.50±.13 [165.1±3.3]	1.18:1	0.29	1.30:1	0.65	1.45:1	0.87
32024E-29573HTCR-29092HTCR-7PM±XPS-STD	7.00±.13 [177.8±3.3]	1.18:1	0.30	1.30:1	0.68	1.45:1	0.90
32024E-29573HTCR-29092HTCR-8PM±XPS-STD	8.00±.13 [203.2±3.3]	1.18:1	0.32	1.30:1	0.74	1.45:1	0.98
32024E-29573HTCR-29092HTCR-9PM±XPS-STD	9.00±.13 [228.6±3.3]	1.18:1	0.35	1.30:1	0.81	1.45:1	1.05
32024E-29573HTCR-29092HTCR-10PM±XPS-STD	10.00±.13 [254.0±3.3]	1.18:1	0.37	1.30:1	0.87	1.45:1	1.12
32024E-29573HTCR-29092HTCR-11PM±XPS-STD	11.00±.13 [279.4±3.3]	1.18:1	0.40	1.30:1	0.93	1.45:1	1.20
32024E-29573HTCR-29092HTCR-12PM±XPS-STD	12.00±.13 [304.8±3.3]	1.18:1	0.42	1.30:1	0.99	1.45:1	1.27
32024E-29573HTCR-29092HTCR-13PM±XPS-STD	13.00±.13 [330.2±3.3]	1.18:1	0.44	1.30:1	1.05	1.45:1	1.34
32024E-29573HTCR-29092HTCR-14PM±XPS-STD	14.00±.13 [355.6±3.3]	1.18:1	0.47	1.30:1	1.11	1.45:1	1.42
32024E-29573HTCR-29092HTCR-15PM±XPS-STD	15.00±.13 [381.0±3.3]	1.18:1	0.49	1.30:1	1.18	1.45:1	1.49
32024E-29573HTCR-29092HTCR-16PM±XPS-STD	16.00±.13 [406.4±3.3]	1.18:1	0.52	1.30:1	1.24	1.45:1	1.56
32024E-29573HTCR-29092HTCR- PM± PS-STD							

NOTES:

1. DESCRIPTION,
   CABLE ASSEMBLY, SMP FEMALE TO SMA JACK, PHASE MATCHED WITHIN 2.0 Pico Seconds (±XPS).

2. CABLE,
   COAXIAL CABLE H+S Astrolab P/N 32024E MEETS OR EXCEEDS MIL-DTL-17
   SEE CONTROL DRAWING FOR MATERIALS AND FINISHES.

3. CONNECTOR -A-, SMP FEMALE:
   H+S Astrolab P/N 29573HTCR-32-24 IAW MIL-STD-348.
   SEE CONTROL DRAWING FOR MATERIALS AND FINISHES.

4. CONNECTOR -B-, SMA JACK:
   H+S Astrolab P/N 29092HTCR-32-24 IAW MIL-STD-348.
   SEE CONTROL DRAWING FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

5. MARKING:
   MARKER SLEEVE, FLOATING ONTO CABLE BUT CAPTIVATED FROM FALLING OFF.
   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.
   CABLE ASSEMBLIES 4 INCHES OR SHORTER WILL HAVE NO CENTER MARKER SLEEVE.

6. ELECTRICAL CHARACTERISTICS:
   IMPEDANCE,
   50.0 Ohms NOMINAL.
   FREQUENCY, INSERTION LOSS AND VSWR SEE CHART.
   PHASE MATCHED,
   ALL CABLE ASSEMBLIES WILL BE PHASE MATCHED TO A GOLDEN STANDARD.
   LIMITS OF PHASE MATCH IN XPS (PICO SECONDS) AS DEFINED BY CUSTOMER.

7. MECHANICAL:
   OPERATING TEMPERATURE RANGE, -55° C TO +125° C.

8. "L" LENGTH TOLERANCE CONTROLLED BY PHASE MATCH.

	NAME	DATE
PREP.	WR	05/30/18
ELEC.	RF	05/30/18
MECH.	GSG	06/04/18
Q.C.		

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

±XPS PHASE MATCHED CAY. SMP FEMALE TO SMA JACK. minibend L TYPE

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	32024E-29573HTCR-29092HTCR-XXPM±XPS-STD	B

REV.	DESCRIPTION	DATE	BY	APPROVED
B	"XPS" WAS "1PS" IN DWG. NO.	07/03/18	EF	