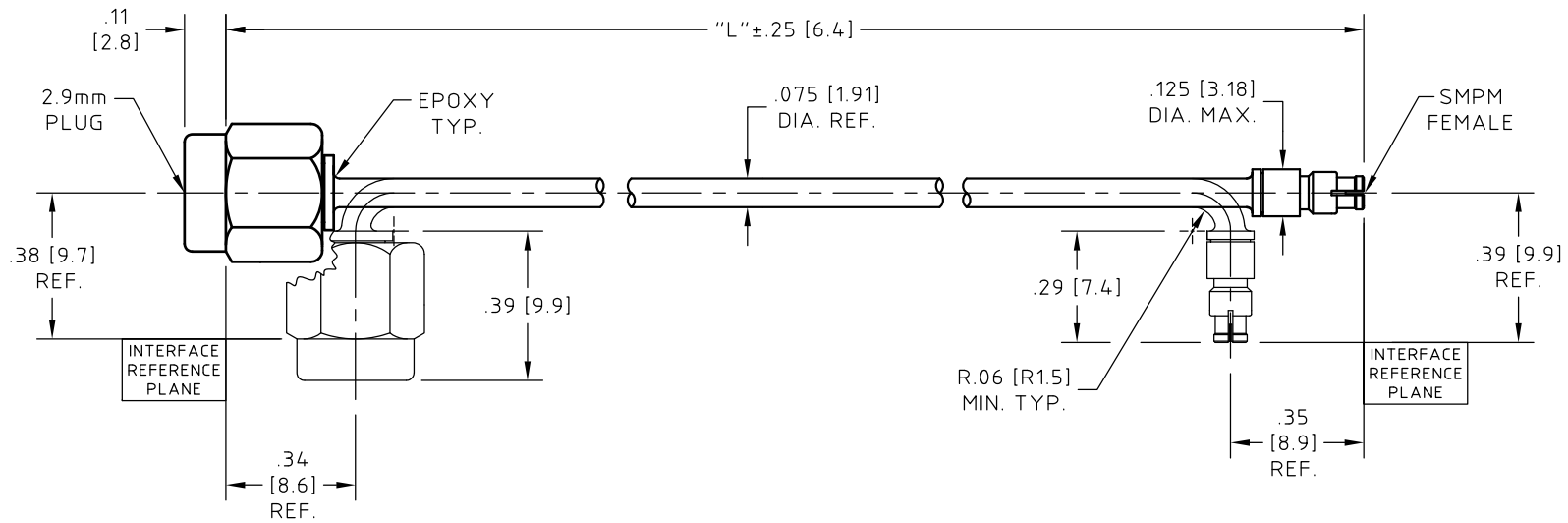


CONTROL DRAWING

microbend KMR-XX

K



NOTES:

1. DESCRIPTION,
CABLE ASSEMBLY, 2.9mm PLUG TO SMPM FEMALE, RUGGEDIZED AND SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BEND AT THE MINIMUM BEND RADIUS, CABLE ASSEMBLY WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
2. CABLE,
COAXIAL CABLE HUBER+SUHNER Astrolab P/N 32041E. MEETS OR EXCEEDS MIL-DTL-17. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
3. CONNECTOR -A-, 2.9mm PLUG:
HUBER+SUHNER Astrolab P/N 29094KCR-32-41 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
4. CONNECTOR -B-, SMPM FEMALE:
HUBER+SUHNER Astrolab P/N 29971CR-32-41 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE HUBER+SUHNER Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

5. MARKING:
ALL MARKING WILL BE DONE ON PACKAGING.
6. ELECTRICAL CHARACTERISTICS:
IMPEDANCE, 50.0 Ohms NOMINAL. FREQUENCY, INSERTION LOSS AND VSWR, SEE CHART.
7. MECHANICAL:
OPERATING TEMPERATURE RANGE, -55° C TO +125° C. PULL STRENGTH TO 10.0 Lbs. [44.5 N].
8. ATTENUATION FORMULAS:
8A. CALCULATE AT 26.5 GHz
(dB) = 1.80 dB/FT. X L(ft.)+.39 dB
8B. CALCULATE AT 40.0 GHz
(dB) = 2.25 dB/FT. X L(ft.)+.59 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		18.0 GHz		26.5 GHz		40.0 GHz	
		VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB	VSWR	I.L. dB
microbend KMR-2.5	2.50 (63.5)	1.20:1	0.23	1.40:1	0.62	1.50:1	0.77	1.60:1	1.06
microbend KMR-3	3.00 (76.2)	1.20:1	0.25	1.40:1	0.68	1.50:1	0.85	1.60:1	1.15
microbend KMR-3.5	3.50 (88.9)	1.20:1	0.27	1.40:1	0.74	1.50:1	0.92	1.60:1	1.25
microbend KMR-4	4.00 (101.6)	1.20:1	0.29	1.40:1	0.80	1.50:1	1.00	1.60:1	1.34
microbend KMR-4.5	4.50 (114.3)	1.20:1	0.31	1.40:1	0.86	1.50:1	1.07	1.60:1	1.43
microbend KMR-5	5.00 (127.0)	1.20:1	0.33	1.40:1	0.92	1.50:1	1.15	1.60:1	1.53
microbend KMR-5.5	5.50 (139.7)	1.20:1	0.35	1.40:1	0.98	1.50:1	1.22	1.60:1	1.62
microbend KMR-6	6.00 (152.4)	1.20:1	.037	1.40:1	1.05	1.50:1	1.30	1.60:1	1.72
microbend KMR-7	7.00 (177.8)	1.20:1	0.40	1.40:1	1.17	1.50:1	1.44	1.60:1	1.90
microbend KMR-8	8.00 (203.2)	1.20:1	0.44	1.40:1	1.29	1.50:1	1.59	1.60:1	2.09
microbend KMR-9	9.00 (228.6)	1.20:1	0.48	1.40:1	1.41	1.50:1	1.74	1.60:1	2.28
microbend KMR-10	10.00 (254.0)	1.20:1	0.52	1.40:1	1.53	1.50:1	1.89	1.60:1	2.47
microbend KMR-11	11.00 (279.4)	1.20:1	0.55	1.40:1	1.65	1.50:1	2.04	1.60:1	2.65
microbend KMR-12	12.00 (304.8)	1.20:1	0.59	1.40:1	1.77	1.50:1	2.19	1.60:1	2.84
microbend KMR-		1.20:1		1.40:1		1.50:1		1.60:1	

SEE NOTE 8

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. EF	09/04/03
ELEC. RF	09/04/03
MECH. GSG	09/04/03
Q.C.	

HUBER+SUHNER
Astrolab

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TITLE				SCALE	CODE IDENT.	DWG NO.	REV
CABLE ASSEMBLY, 2.9mm PLUG TO SMPM FEMALE, RUGGEDIZED				2:1	16301	microbend KMR-XX	K
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.							

K	ECN No. 15606	06/10/13	EB	
REV.	DESCRIPTION	DATE	BY	APPROVED