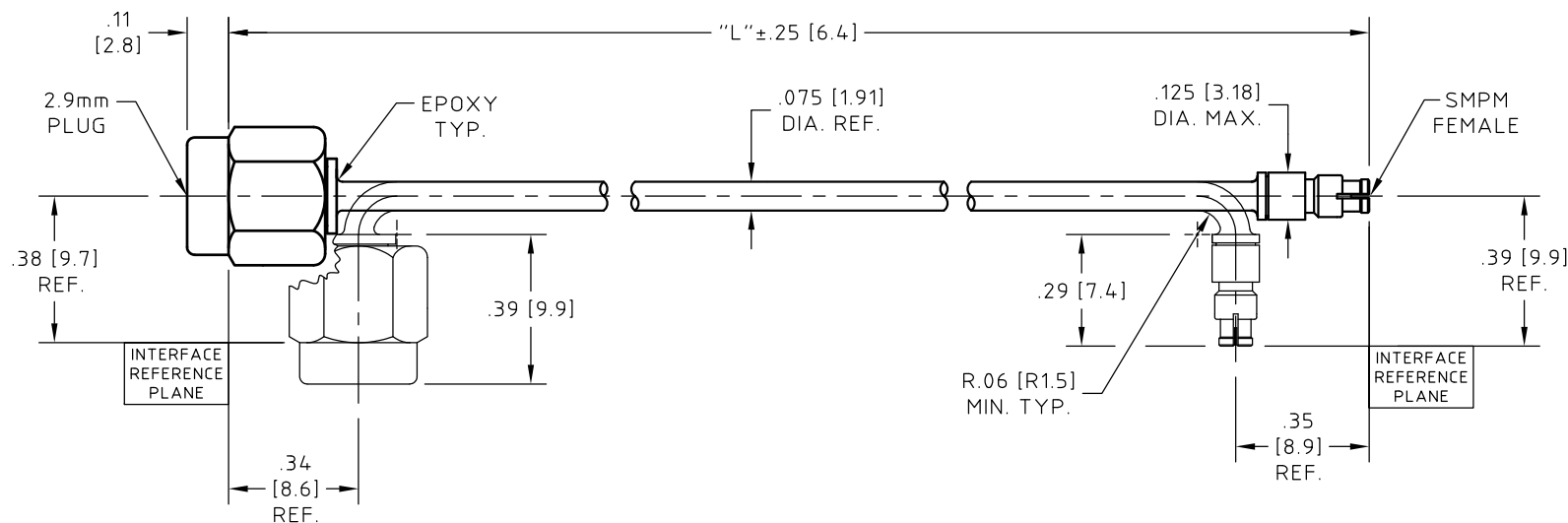


CONTROL DRAWING

microbend KMR-XX

K



NOTES:

- 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.
- 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.
- 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.
- 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:

- MARKING:
ALL MARKING WILL BE DONE ON PACKAGING.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR,
SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.
PULL STRENGTH TO 10.0 LBS. [44.5 N].
- 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	 HUBER+SUHNER Astrolab	
PREP.	EF	09/04/03		
ELEC.	RF	09/04/03		
MECH.	GSG	09/04/03		
Q.C.				
TITLE			THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.	
CABLE ASSEMBLY, 2.9mm PLUG TO SMPM FEMALE, RUGGEDIZED				
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 2:1	CODE IDENT. 16301	DWG NO. microbend KMR-XX	REV K

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

Mouser Electronics

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