

CONTROL DRAWING

microbend 3KR-XX

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H+S 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 3KR-2.5	2.50 (63.5)	1.20:1	0.21	1.37:1	0.58	1.45:1	0.72	1.55:1	0.99
microbend 3KR-3	3.00 (76.2)	1.20:1	0.23	1.37:1	0.64	1.45:1	0.80	1.55:1	1.08
microbend 3KR-3.5	3.50 (88.9)	1.20:1	0.25	1.37:1	0.70	1.45:1	0.87	1.55:1	1.18
microbend 3KR-4	4.00 (101.6)	1.20:1	0.27	1.37:1	0.76	1.45:1	0.95	1.55:1	1.27
microbend 3KR-4.5	4.50 (114.3)	1.20:1	0.29	1.37:1	0.82	1.45:1	1.03	1.55:1	1.36
microbend 3KR-5	5.00 (127.0)	1.20:1	0.31	1.37:1	0.88	1.45:1	1.10	1.55:1	1.46
microbend 3KR-5.5	5.50 (139.7)	1.20:1	0.33	1.37:1	0.95	1.45:1	1.18	1.55:1	1.55
microbend 3KR-6	6.00 (152.4)	1.20:1	0.35	1.37:1	1.01	1.45:1	1.25	1.55:1	1.65
microbend 3KR-7	7.00 (177.8)	1.20:1	0.38	1.37:1	1.13	1.45:1	1.39	1.55:1	1.83
microbend 3KR-8	8.00 (203.2)	1.20:1	0.42	1.37:1	1.25	1.45:1	1.54	1.55:1	2.02
microbend 3KR-9	9.00 (228.6)	1.20:1	0.46	1.37:1	1.37	1.45:1	1.69	1.55:1	2.21
microbend 3KR-10	10.00 (254.0)	1.20:1	0.50	1.37:1	1.39	1.45:1	1.84	1.55:1	2.40
microbend 3KR-11	11.00 (279.4)	1.20:1	0.53	1.37:1	1.61	1.45:1	1.99	1.55:1	2.58
microbend 3KR-12	12.00 (304.8)	1.20:1	0.57	1.37:1	1.73	1.45:1	2.14	1.55:1	2.77
microbend 3KR-									

NOTES:

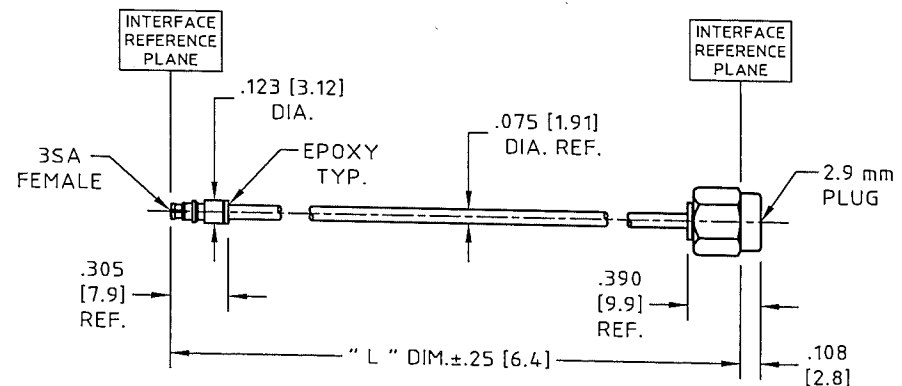
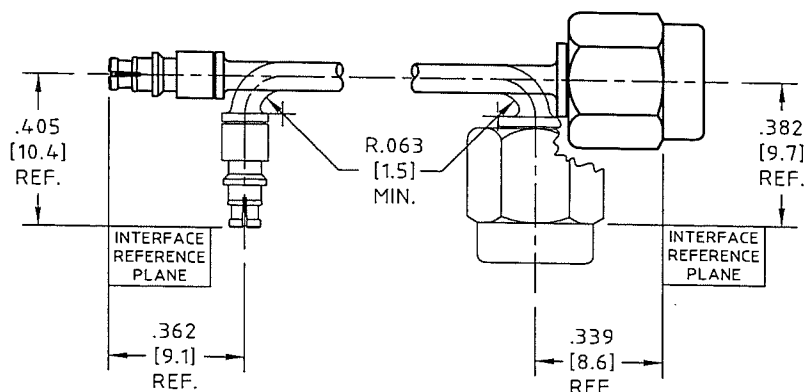
- DESCRIPTION:
CABLE ASSEMBLY, 3SA FEMALE TO 2.9mm PLUG, RUGGEDIZED.
SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS.
WHEN INSTALLED AND BENT AT THE MINIMUM BEND RADIUS,
microbend 3KR WILL TOLERATE MULTIPLE ±90° ROTATIONS
AT THE CABLE CONNECTOR JUNCTION.
MATED PERFORMANCE MEETS OR EXCEEDS THE REQUIREMENTS
OF "MSSS" CONNECTORS.
"MSSS" IS A TRADE NAME OF "MICRO-MODE".
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32041E.
MEETS OR EXCEEDS MIL-DTL-17.
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 3SA FEMALE:
H+S Astrolab P/N 29967CR-32-41
IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, 2.9mm PLUG:
H+S Astrolab P/N 29094KCR-32-41
IAW MIL-STD-348.
SEE H+S Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.

NOTES CONTINUED:

- MARKING:
DIRECTLY ON CABLE, NONE.
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.
MECHANICAL PERFORMANCE,
GUARANTEED 10.0 LBS.
[45.0 N] PULL FORCE.

ROHS 6 COMPLIANT

SHOWN BELOW IS TYPICAL INSTALLATION
SCALE: 2:1



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.	GSG	10/09/07
ELEC.	RF	10/09/07
MECH.	AW	10/09/07
Q.C.		



THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

CABLE ASSEMBLY, microbend TYPE, 3SA FEMALE TO 2.9 mm PLUG

D	COMPANY LOGO UPDATED	01/15/13	KC ENG	
REV.	DESCRIPTION	DATE	BY	APPROVED

THOS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPPL. TO HANDBOOK H 28.	SCALE 1:1	CODE IDENT. 16301	DWG NO. microbend 3KR-XX	REV D
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