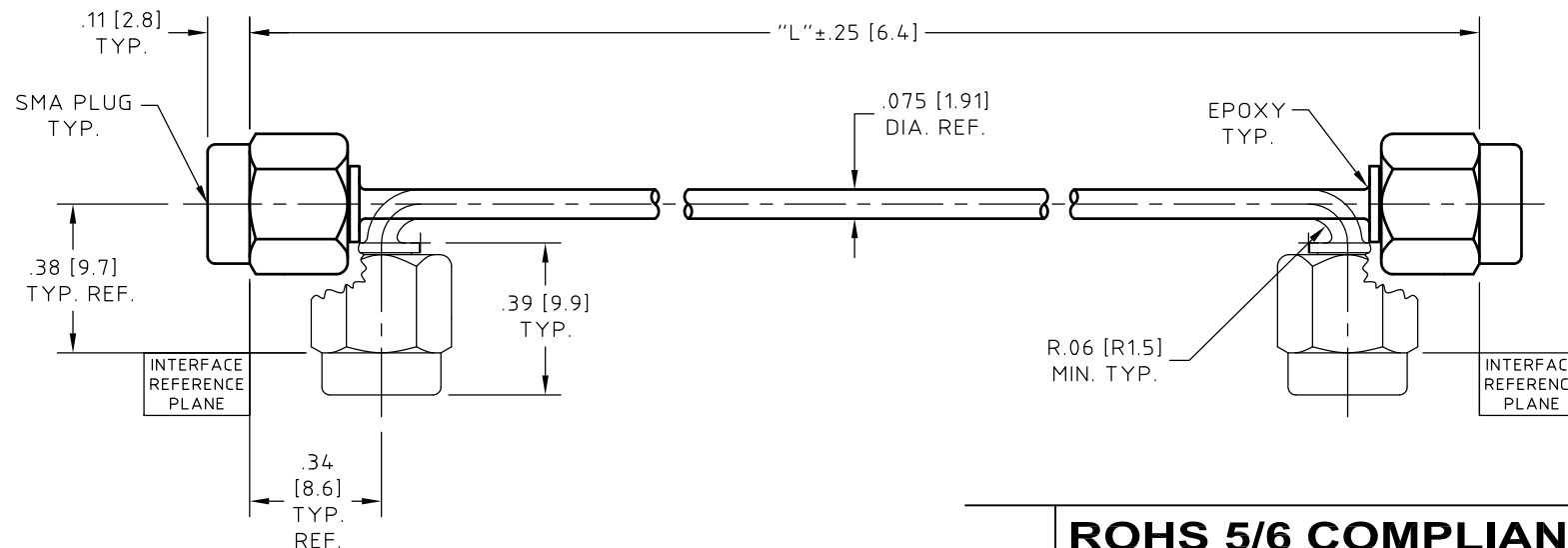


CONTROL DRAWING

microbend R-XX



ROHS 5/6 COMPLIANT

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, SMA PLUG TO SMA PLUG,
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-, SMA PLUG:
HUBER+SUHNER Astrolab P/N 29094CR-32-41
INTERFACE DIMENSIONS IAW MIL-STD-348.
SEE HUBER+SUHNER Astrolab CONTROL DRAWING
FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.

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 18.0 GHz
(dB) = 1.45 dB/FT. X L(ft.) + .28 dB
8B. CALCULATE AT 26.5 GHz
(dB) = 1.80 dB/FT. X L(ft.) + .34 dB

HUBER+SUHNER Astrolab PART NUMBER	DIMENSION "L"	2.0 GHz		18.0 GHz		26.5 GHz	
		VSWR	IL. dB	VSWR	IL. dB	VSWR	IL. dB
microbend R-2.5	2.50 [63.5]	1.20:1	0.21	1.37:1	0.58	1.45:1	0.72
microbend R-3	3.00 [76.2]	1.20:1	0.23	1.37:1	0.64	1.45:1	0.80
microbend R-3.5	3.50 [88.9]	1.20:1	0.25	1.37:1	0.70	1.45:1	0.87
microbend R-4	4.00 [101.6]	1.20:1	0.27	1.37:1	0.76	1.45:1	0.95
microbend R-4.5	4.50 [114.3]	1.20:1	0.29	1.37:1	0.82	1.45:1	1.03
microbend R-5	5.00 [127.0]	1.20:1	0.31	1.37:1	0.88	1.45:1	1.10
microbend R-5.5	5.50 [139.7]	1.20:1	0.33	1.37:1	0.95	1.45:1	1.18
microbend R-6	6.00 [152.4]	1.20:1	0.35	1.37:1	1.01	1.45:1	1.25
microbend R-7	7.00 [177.8]	1.20:1	0.38	1.37:1	1.13	1.45:1	1.39
microbend R-8	8.00 [203.2]	1.20:1	0.42	1.37:1	1.25	1.45:1	1.54
microbend R-9	9.00 [228.6]	1.20:1	0.46	1.37:1	1.37	1.45:1	1.69
microbend R-10	10.00 [254.0]	1.20:1	0.50	1.37:1	1.49	1.45:1	1.84
microbend R-11	11.00 [279.4]	1.20:1	0.53	1.37:1	1.61	1.45:1	1.99
microbend R-12	12.00 [304.8]	1.20:1	0.57	1.37:1	1.73	1.45:1	2.14
microbend R-		1.20:1		1.37:1		1.45:1	

SEE NOTE 8

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. AP	11/20/03
ELEC. RF	11/21/03
MECH. GSG	11/21/03
Q.C. AG	11/21/03

HUBER+SUHNER
Astrolab

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

CABLE ASSY, TYPE microbend, SMA PLUG TO SMA PLUG

L	ECN No. 15788	09/06/13	EB		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 R-XX	REV L
REV.	DESCRIPTION	DATE	BY	APPROVED					