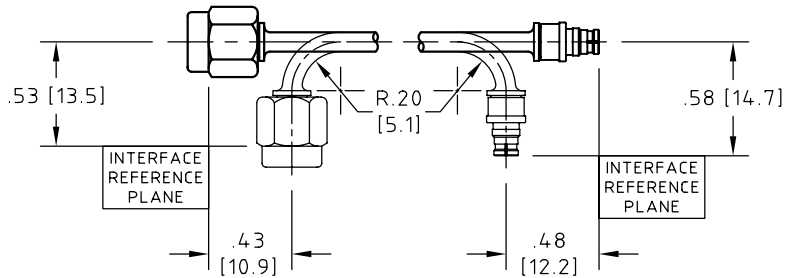


ASSEMBLY No.	REF. NO.	DIM. "L"	2.0 GHz		12.4 GHz		20.0 GHz	
			VSWR	LOSS, dB	VSWR	LOSS, dB	VSWR	LOSS, dB
minibend SR-2.5	32081E-29094CR-29473CR-2.5	2.50 (63.5)	1.25	0.20	1.30	0.40	1.45	0.68
minibend SR-3	32081E-29094CR-29473CR-3	3.00 (76.2)	1.25	0.21	1.30	0.44	1.45	0.73
minibend SR-3.5	32081E-29094CR-29473CR-3.5	3.50 (88.9)	1.25	0.23	1.30	0.48	1.45	0.78
minibend SR-4	32081E-29094CR-29473CR-4	4.00 (101.6)	1.25	0.25	1.30	0.52	1.45	0.84
minibend SR-4.5	32081E-29094CR-29473CR-4.5	4.50 (114.3)	1.25	0.26	1.30	0.58	1.45	0.89
minibend SR-5	32081-29094CR-29473CR-5	5.00 (127.0)	1.25	0.28	1.30	0.61	1.45	0.94
minibend SR-5.5	32081E-29094CR-29473CR-5.5	5.50 (139.7)	1.25	0.29	1.30	0.66	1.45	0.99
minibend SR-6	32081E-29094CR-29473CR-6	6.00 (152.4)	1.25	0.31	1.30	0.69	1.45	1.05
minibend SR-6.5	32081E-29094CR-29473CR-6.5	6.50 (165.1)	1.25	0.32	1.30	0.74	1.45	1.10
minibend SR-7	32081E-29094CR-29473CR-7	7.00 (177.8)	1.25	0.34	1.30	0.78	1.45	1.15
minibend SR-8	32081E-29094CR-29473CR-8	8.00 (203.2)	1.25	0.37	1.30	0.86	1.45	1.25
minibend SR-9	32081E-29094CR-29473CR-9	9.00 (228.6)	1.25	0.40	1.30	0.95	1.45	1.36
minibend SR-10	32081E-29094CR-29473CR-10	10.00 (254.0)	1.25	0.43	1.30	1.02	1.45	1.46
minibend SR-11	32081E-29094CR-29473CR-11	11.00 (279.4)	1.25	0.46	1.30	1.11	1.45	1.57
minibend SR-12	32081E-29094CR-29473CR-12	12.00 (304.8)	1.25	0.49	1.30	1.19	1.45	1.67
minibend SR-13	32081E-29094CR-29473CR-13	13.00 (330.2)	1.25	0.52	1.30	1.27	1.45	1.77
minibend SR-14	32081E-29094CR-29473CR-14	14.00 (355.6)	1.25	0.55	1.30	1.34	1.45	1.88
minibend SR-15	32081E-29094CR-29473CR-15	15.00 (381.0)	1.25	0.59	1.30	1.44	1.45	1.98
minibend SR-16	32081E-29094CR-29473CR-16	16.00 (406.4)	1.25	0.62	1.30	1.51	1.45	2.09
minibend SR-	32081E-29094CR-29473CR-							

CONTROL DRAWING **minibend SR-XX**

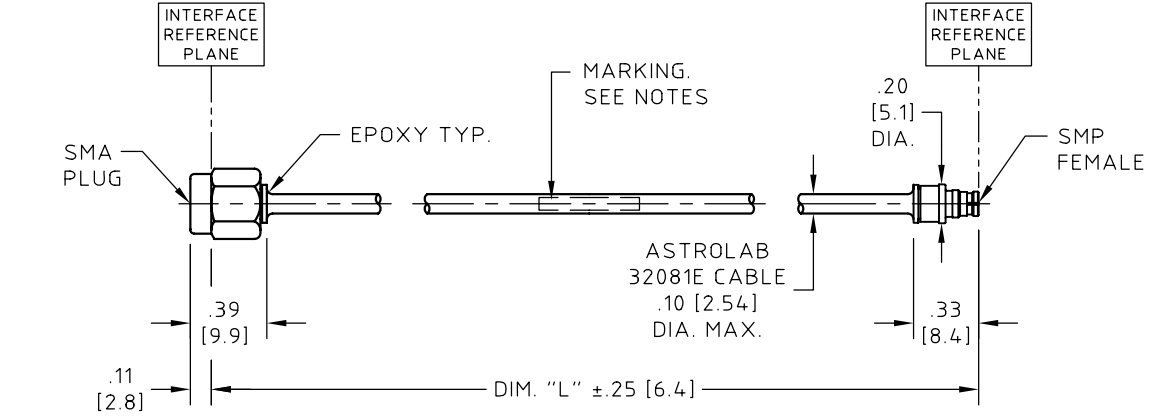
M

ALL minibend CABLE ASSEMBLIES ARE 99.9% LEAD FREE BY WEIGHT.



SHOWN ABOVE IS TYPICAL INSTALLATION.

- NOTES:
- CABLE (EXCEEDS MIL-DTL-17):
 INNER CONDUCTOR... SILVER PLATED OFHC SOLID COPPER WIRE.
 DIELECTRIC... POLYTETRAFLUOROETHYLENE (PTFE).
 INNER BRAID... SILVER PLATED OFHC FLAT COPPER WIRE BRAID.
 BARRIER LAYER... POLYIMIDE/ALUMINUM TAPE.
 OUTER BRAID... 304 STAINLESS STEEL WIRE BRAID.
 OUTER JACKET... EXTRUDED FEP.
 - CONNECTORS MEET MIL-PRF-39012:
 SMA BODY, SMA NUT AND BACK NUTS,
 STEEL, CORROSION RESISTANT PER ASTM A-582,
 UNS No. S30300, COND. A, NON MAGNETIC.
 PASSIVATED PER SAE-AMS-2700 OR ASTM A-967.
 NO DICHROMATE SOLUTIONS USED.
 BACK NUTS ARE NICKEL ALLOY PLATED WITH THE OPTION OF
 ADDITIONAL GOLD PLATING.
 SMP BODY, ALL CENTER CONDUCTORS AND SMP ANTI-ROCK AND EMI RING,
 BERYLLIUM COPPER ALLOY PER ASTM B-196,
 UNS No. C17300, TEMPER T004(H).
 GOLD PLATED .000050 IN MIN. THK. (1.27 MICRO METERS)
 PER ASTM B-488, CODE C, TYPE II OVER
 NICKEL PLATE, .000050 IN MIN. THK. PER SAE-AMS-QQ-N-290,
 OR ASTM B-689 TYPE 1.
 DIELECTRIC
 POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710
 OR ASTM D-4894, TYPE I, GRADE 1.
 EPOXY
 TWO-COMPONENT HIGH TEMPERATURE EPOXY SYSTEM.
 - ELECTRICAL CHARACTERISTICS (SEE MAXIMUM VALUES IN CHART).
 - TECHNICAL DATA:
 MECHANICAL PERFORMANCE... GUARANTEED 25.0 LBS PULL FORCE.
 OPERATING TEMPERATURE... -55°C TO +125°C.
 OPERATIONAL LIMITS... minibend SR IS A RUGGEDIZED VERSION OF THE
 STANDARD minibend THAT IS SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS.
 WHEN INSTALLED AND BEND AT THE MINIMUM BEND RADIUS, minibend SR WILL TOLERATE
 MULTIPLE ±90° ROTATIONS AT THE CABLE CONNECTOR JUNCTION.
 - MARKING APPROXIMATELY CENTERED DIRECTLY ON CABLE AS FOLLOWS:
 "minibend SR-XX YYWW"
 NO MARKING ON CABLE ASSEMBLIES SHORTER THAN 3.00 INCHES.
 MARKING DONE ON PACKING ONLY.



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	05/09/01
ELEC. RF	05/10/01
MECH. DPD	05/10/01
Q.C.	

ASTROLAB® INC.
 WARREN, NJ
 THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF ASTROLAB

CABLE ASSEMBLY, SMA PLUG TO SMP FEMALE, RUGGEDIZED

M	ECN No. 114-92	10/18/07	GSG	
REV.	DESCRIPTION	DATE	BY	APPROVED

THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.	SCALE 1:1	CODE IDENT. 16301	DWG NO. minibend SR-XX	REV M
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