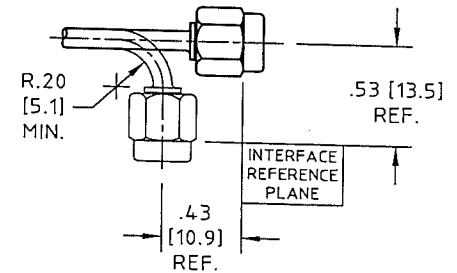
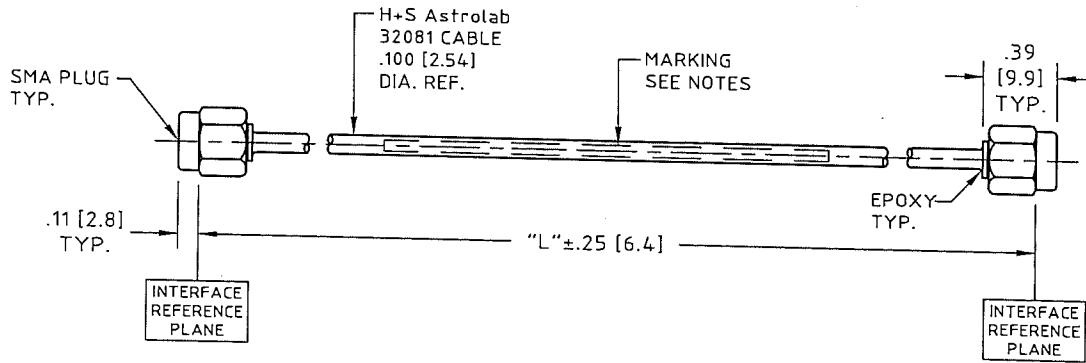


CONTROL DRAWING

minibend R-XXHT

E



SHOWN ABOVE IS TYPICAL INSTALLATION.

| H+S Astrolab PART NUMBER | DIMENSION "L" IN [mm] | 2.0 GHz | | 12.4 GHz | | 18.0 GHz | | 24.0 GHz | |
|-----------------------------|--------------------------|---------|--------|----------|--------|----------|--------|----------|--------|
| | | VSWR | IL, dB | VSWR | IL, dB | VSWR | IL, dB | VSWR | IL, dB |
| minibend R-2HT | 2.00 [50.8] | 1.20:1 | 0.16 | 1.25:1 | 0.32 | 1.35:1 | 0.46 | 1.40:1 | 0.53 |
| minibend R-2.5HT | 2.50 [63.5] | 1.20:1 | 0.18 | 1.25:1 | 0.36 | 1.35:1 | 0.50 | 1.40:1 | 0.57 |
| minibend R-3HT | 3.00 [76.2] | 1.20:1 | 0.19 | 1.25:1 | 0.40 | 1.35:1 | 0.55 | 1.40:1 | 0.64 |
| minibend R-3.5HT | 3.50 [88.9] | 1.20:1 | 0.21 | 1.25:1 | 0.44 | 1.35:1 | 0.60 | 1.40:1 | 0.70 |
| minibend R-4HT | 4.00 [101.6] | 1.20:1 | 0.23 | 1.25:1 | 0.48 | 1.35:1 | 0.65 | 1.40:1 | 0.75 |
| minibend R-4.5HT | 4.50 [114.3] | 1.20:1 | 0.24 | 1.25:1 | 0.54 | 1.35:1 | 0.70 | 1.40:1 | 0.82 |
| minibend R-5HT | 5.00 [127.0] | 1.20:1 | 0.26 | 1.25:1 | 0.57 | 1.35:1 | 0.75 | 1.40:1 | 0.87 |
| minibend R-5.5HT | 5.50 [139.7] | 1.20:1 | 0.27 | 1.25:1 | 0.62 | 1.35:1 | 0.80 | 1.40:1 | 0.93 |
| minibend R-6HT | 6.00 [152.4] | 1.20:1 | 0.29 | 1.25:1 | 0.65 | 1.35:1 | 0.85 | 1.40:1 | 0.99 |
| minibend R-6.5HT | 6.50 [165.1] | 1.20:1 | 0.30 | 1.25:1 | 0.70 | 1.35:1 | 0.90 | 1.40:1 | 1.04 |
| minibend R-7HT | 7.00 [177.8] | 1.20:1 | 0.32 | 1.25:1 | 0.74 | 1.35:1 | 0.95 | 1.40:1 | 1.10 |
| minibend R-8HT | 8.00 [203.2] | 1.20:1 | 0.35 | 1.25:1 | 0.82 | 1.35:1 | 1.05 | 1.40:1 | 1.22 |
| minibend R-9HT | 9.00 [228.6] | 1.20:1 | 0.38 | 1.25:1 | 0.91 | 1.35:1 | 1.15 | 1.40:1 | 1.35 |
| minibend R-10HT | 10.00 [254.0] | 1.20:1 | 0.41 | 1.25:1 | 0.98 | 1.35:1 | 1.24 | 1.40:1 | 1.46 |
| minibend R-11HT | 11.00 [279.4] | 1.20:1 | 0.44 | 1.25:1 | 1.07 | 1.35:1 | 1.34 | 1.40:1 | 1.58 |
| minibend R-12HT | 12.00 [304.8] | 1.20:1 | 0.47 | 1.25:1 | 1.15 | 1.35:1 | 1.42 | 1.40:1 | 1.68 |
| minibend R-13HT | 13.00 [330.2] | 1.20:1 | 0.50 | 1.25:1 | 1.23 | 1.35:1 | 1.53 | 1.40:1 | 1.81 |
| minibend R-14HT | 14.00 [355.6] | 1.20:1 | 0.53 | 1.25:1 | 1.30 | 1.35:1 | 1.62 | 1.40:1 | 1.92 |
| minibend R-15HT | 15.00 [381.0] | 1.20:1 | 0.57 | 1.25:1 | 1.40 | 1.35:1 | 1.73 | 1.40:1 | 2.04 |
| minibend R-16HT | 16.00 [406.4] | 1.20:1 | 0.60 | 1.25:1 | 1.47 | 1.35:1 | 1.82 | 1.40:1 | 2.15 |
| minibend R- HT | | | | | | | | | |

NOTES:

- DESCRIPTION,
CABLE ASSEMBLY, 100% ROHS COMPLIANT SMA PLUG TO SMA PLUG.
- CABLE,
COAXIAL CABLE H+S Astrolab P/N 32081E MEETS OR EXCEEDS MIL-DTL-17 SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -A-, 100% ROHS COMPLIANT SMA PLUG:
H+S Astrolab P/N 29094HTCR-32-81 INTERFACE DIMENSIONS IAW MIL-STD-348. SEE H+S Astrolab CONTROL DRAWING FOR MATERIALS AND FINISHES.
- CONNECTOR -B-, SMA PLUG:
SAME AS CONNECTOR -A-.

NOTES CONTINUED:

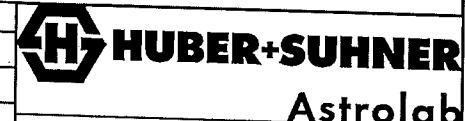
- MARKING:
APPROXIMATELY CENTERED AND DIRECTLY ON CABLE AS FOLLOWS:
minibend R-XXHT YYWW
NO MARKING ON CABLE ASSEMBLIES 2.50" OR SHORTER. MARKING WILL BE DONE ON PACKING ONLY.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE,
50.0 Ohms NOMINAL.
FREQUENCY, INSERTION LOSS AND VSWR
SEE CHART.
- MECHANICAL:
OPERATING TEMPERATURE RANGE,
-55° C TO +125° C.
PULL STRENGTH TO 25.0 LBS [111.0 N].

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 | 11/09/10 |
| ELEC. RF | 11/09/10 |
| MECH. GSG | 11/09/10 |
| Q.C. | |



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

TITLE
100% ROHS COMPLIANT minibend CABLE ASSEMBLY, SMA PLUG TO SMA PLUG.

| | | | | |
|--|--------------|----------------------|----------------------------|----------|
| THDS. 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. minibend R-XXHT | REV E |
|--|--------------|----------------------|----------------------------|----------|

| | | | | |
|------|---------------------|----------|----------|----------|
| E | COMPANY LOGO UPDATE | 01/15/13 | EF ENG 2 | |
| REV. | DESCRIPTION | DATE | BY | APPROVED |

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