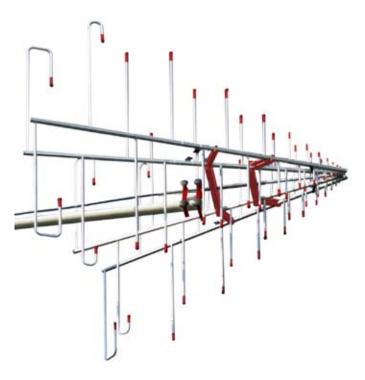
Double Stacked Log.-Periodic Antenna - AXL-80S, 80 MHz - 4 GHz

with folded elements for immunity tests and emission measurements with limited space



Description

The AXL-80S has the same antenna design as the AXL-80 (see page 4), but with folded rear elements. The folded rear elements reduce the width of the AXL-80S to 1,480 mm. That is important for some standards, in order to keep the minimum distance of 25cm to the floor when testing in vertical polarization. But also for applications in smaller anechoic chambers the reduced dimensions might be an advantage.

| Technical specifications | |
|--------------------------------|-------------------------|
| Type: | ALX-80S |
| Frequency range: | 80 MHz to 4 GHz |
| Max. input power | 1.5 kW (intermitt.) |
| (N-connector): | 1 kW (cont.) |
| Max. input power | 3 kW (intermitt.) |
| (7 / 16-connector): | 2 kW (cont.) |
| Nominal impedance: | 50 0hm |
| Isotropic gain: | 9 +/- 3 dBi |
| Antenna factor: | 2 32 dB/m |
| Standing wave ratio SWR typ.: | 1.6 (f < 3 GHz) |
| Front to back ratio: | 8 - 22 dB |
| Cross polarization: | > 30 dB |
| 3 dB beamwidth typ. (E-Plane): | 60° - 75° |
| 3 dB beamwidth typ. (H-Plane): | 50° - 65° |
| Dimensions (W x L x D) in mm: | 1480 x 1330 x 1480 |
| Weight: | 9 kg |
| Fixation: | ø 22 mm tube |
| Use: | Emission measurements |
| | Radiated immunity tests |

