The wideband omnidirectional antenna with no tuning required. The antenna covers whole UHF band. The antenna is designed for vertical polarization, resistant to effect of walls and metal parts of mounting construction, DC-grounded. In lower locations the antenna doesn't require additional lightning protection. Structurally it is an equivalent of the BSO 150 scaled for the UHF band.
**Electrical**

- **Frequency range**: 400-500 MHz
- **Gain (ref. to λ/2 dipole)**: 0 dBd (2,15 dBi)
- **Horizontal radiation pattern**: Omnidirectional
- **Impedance**: 50 Ω
- **Antenna type**: λ/2 dipole
- **VSWR**: ≤1,6
- **Maximum power**: 100 W
- **Bandwidth**: 100 MHz @ swr < 1.7
- **Horizontal radiation pattern code (H-plane)**: 000ND00 (CEPT Recommendation T/R 25-08)
- **Vertical radiation pattern code (E-plane)**: 045DE00 (CEPT Recommendation T/R 25-08)

**Mechanical**

- **Connector**: UC1,N
- **Material**: Aluminium, PCV, fiberglass
- **Polarization**: vertical

**VSWR in the range 350÷500 MHz**

- M1: 1,685 @ 380,20 MHz
- M2: 1,41 @ 400,00 MHz
- M3: 1,392 @ 430,20 MHz
- M4: 1,789 @ 480,20 MHz

Resolution: 130  CAL:ON(COAX)  CW: OFF
Date:                Time:
Model: S331A  Serial #: 00036029  Smoothing: 0
Vertical radiation pattern