

210 -260 MHz

## HORWIN AD 2402

HORWIN AD 2402 - is a dipole VHF antenna designed for use as part of stationary radio stations and repeaters in the frequency range of 210-260 MHz. Structurally, the antenna consists of two dipole elements of the "loop vibrator" type and feeder matching lines. The design of the antenna mounting elements allows you to form a directional diagram by changing the installation distance of the dipole elements from the metal mast (pipe stand) on which the antenna is installed. The declared parameters in the specified range are ensured by the control of geometric and electrical parameters during manufacture. The mast (pipe stand) is not included in the delivery set of the antenna.



| AD 2402   |                   |
|---|-------------------|
| Frequency range, MHz                                | <b>210-260</b>    |
| Bandwidth @ SWR < 1.5, MHz                          | <b>50</b>         |
| Elements  | <b>2</b>          |
| Gain, dBd (1/4 λ dipole to mast spacing)            | <b>3</b>          |
| Gain, dBd (3/8 λ dipole to mast spacing)            | <b>5,6</b>        |
| Power rating, W                                     | <b>200</b>        |
| Overall dimensions ( H x W ),mm                     | <b>1500 x 770</b> |
| Weight (aprox.), kg                                 | <b>3,8</b>        |
| Impedance, Ohm                                      | <b>50</b>         |
| The width of the directional pattern in the H-plane | <b>360°</b>       |
| Vertical beamwidth (3/8 spacing)                    | <b>38°</b>        |
| Max. diameter of the mast (pipe stand), mm          | <b>60</b>         |
| Termination   | <b>N female</b>   |

H-plane 1/4 λ dipole to mast spacing

H-plane 3/8 λ dipole to mast spacing

E-plane (Horwin AD 2402)

