Wideband isotropic **RS/A/3-18** antenna with frequency range from 3 to 18 GHz

RS/A/3-18 antenna belongs to wideband isotropic linearly polarized antennas and is intended for effective reception of electromagnetic emissions in a wide frequency range.



 Specifications

1. Working frequency range - from 1 GHz to 18 GHz.
2. Impedance - 50 Ω.



Standing wave ratio (SWR) in a working frequency range:

1. Directional diagram – isotropic (by type of electric dipole)



1. Polarization of receiving signals – vertical (if the antenna is positioned vertically)
2. Antenna gain:



1. Max power (in radiation mode) - 40 W.
2. Dimensions - 140x120 mm.
3. Weight - not more than 390 gr

**Design and Operation**

The antenna’s construction combines the principle of construction of a biconical antenna in high frequency range and the principle of construction of a wideband dipole in low frequency range.

The antenna is distinguished by stability of electrical characteristics in a wide frequency range.

The antenna is ready for operation after its connection and correct orientation, it doesn’t require any additional settings.