

EPA25 is an S-band planar antenna with high performances that make possible many kinds of mobile and fixed radio communications. In particular, thanks to its 25 dBi gain and its very flat shape, **EPA25** is well suited to long range for video and data Link in the field of telemetry: flight test, UAVs, target and other similar applications.

EPA25 is high qualified product that has stable characters in the environment with many kinds of conditions.

FEATURES

- Single main Lobe Radiation Pattern Over Frequency
- Circular Polarization L or R
- Low VSWR
- Flat Frequency Gain
- Gain up to 25dB over specified frequency band without reduction
- Integrated LNA (30 dB) & bandpass filter (80 MHz band) to compensate cable loss between Antenna and the receiver
- Low Axial Ratio in the frequency band

SPECIFICATIONS

Electrical Specifications

Central Frequency	2.23 GHz and 2.46 GHz available Other frequencies upon request
Frequency Band	50 MHz
Polarization	LHCP or RHCP
Axial Ratio	< 1 dB
Antenna Gain	25 dBi
LNA Gain	30 dB typical
3 dB Beam width	8° / 8°
Cross Polarization	< - 25 dB
Side Lobe Level	< - 14 dB
VSWR max	< 1.5:1
RF connector	N female
LNA Power Supply Connector	DIN male, 3 contacts
LNA Power Supply	18 to 32 VDC, 5 W max

Physical Specifications

Radom	Impact resistant - UV Resistant
Temperature	- 40° to +70°C
Weight	21 kg
Dimensions @C1 = 25dBi	855 x 855 x 80 mm
Fixation	2 x (4 x M8) rear screws or 2 Flange Clamps for 40 mm tube
Mounting	Tube or Tripod or tracking system
Protection	Waterproof (IP 67)



LNA inside

