HSA-C19



5 GHz HSA-C19 Horn Antenna is a high-performance directional antenna designed for UAV (Unmanned Aerial Vehicle) video transmission systems. Operating within the 4.8 to 5.9 GHz frequency range, it ensures robust and stable signal transmission over extended distances. Its right-hand circular polarization (RHCP) minimizes multipath interference, making it ideal for FPV (First-Person View) flights and long-range video links. 4.8–5.9 GHz. Gain: 18 dBi at 4.9 GHz. VSWR: < 1.2 Polarization: RHCP; LHCP, other-by request. Connector: SMA female, 50 Ω. Beam H/V: 12°. 180 g – weight. Material: Aluminum

SSA-KuV180 is Ku-band short sector antenna which has radiation pattern of 180 degrees in horizontal plane and wide frequency range of 10700 – 14400 MHz.

Key features:

- Reliable design
- Light weight
- Compact size
- High gain

Main functions:

- Transmit and receive Ku-band signals
- Applied as a part of broadcasting station, repeater, interactive microwave or video surveillance systems

SSA-KuV180 radiation pattern - developed by UMT LLC

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Parameter	Value
Frequency range, GHz	4.8-5.9
Gain, dBi	18 (at 4.9 GHz)
VSWR	<1.2
Polarization	Right-hand circular (RHCP) / optional LHCP
Front-to-back ratio, dB	>40
Beamwidth (HPBW):	
horizontal	12°
vertical	12°
Impedance, Ohm	50
Max input power, W	50
Connector type	SMA female
Material	Aluminum
Dimensions, mm	300 x 300 x 250
Weight, g	~180
Mounting type	Wing-mounted (UAV compatible)
Application	UAV video link / FPV / repeater / surveillance

Taking into consideration that we (ROKS PrJSC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and

parameters listed on each device webpage.

***Note!** All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and/or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.*