



Dual Band Antenna Series

Model: AU2-VHF

High performance GPS patch antenna with cutting-edge low noise amplifier. Low profile, waterproof, suction cup mounting



This **AU2-VHF**, a member of mobile antenna series coming up with dual-band features, is designed to simplify the need for an AVL or Fleet Management antenna systems.

The combination of a high gain GPS antenna and a vertical VHF antenna is ideal for those applications that requires durability, small in size, covert installation and ruggedized construction.

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Low Noise Figure/ Fully Weatherproof/ Ultra-high Sensitivity
/Compact Construction/ Excellent Temperature Stability
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Specifications:

	GPS Antenna	VHF Antenna
Features	High performance GPS patch antenna with state-of-the-art low noise amplifier	Roof antenna for 160 MHz
Construction	59.8mm(D) x 16mm (H)	110mm, optional available
Frequency	1575.42 MHz	30 MHz ~ 300 MHz, central frequency can be customized
Polarization	RHCP (right hand circular polarization)	Vertical

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Power Gain	27 dB typically	3 dBi
Noise Figure	1.2 max.	-----
Attenuation	20dB max. @ F0+/-50MHz	-----
Band Width	10 MHz	10 MHz
VSWR	< 1.5	< 1.5
Impedance	50 ohm	50 ohm
Power Supply	Supply Voltage: DC 5V (28 mA) supplied from the center conductor of the antenna	Power Handling Capacity: 5 W
Cable & Connector	3m RG-174 with SMA connector (customization is available)	3m RG-58 with FME connector (customization is available)
Operating Temperature	-35°C ~ +85°C	-35°C ~ +85°C
Storage Temperature	-40°C ~ +95°C	-40°C ~ +95°C

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Welcome custom design for AMPS/ISM/UHF/GSM or other frequencies!