



Dual-Band Antenna Series

Model: AU-3S-AMPS/1900

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



This **AU-3S-AMPS/1900**, a member of our 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 low profile and covert AMPS antenna is highly ideal for those applications that requires durability, compact size, covert installation and ruggedized construction, such as covering vehicle roof and trunk lid interior deck or dashboard.

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

	GPS Antenna	AMPS/1900 Antenna
Features	High performance GPS patch antenna with high-gain noise amplifier	Dual Band 850/1900 MHz
Size	64.5mm (D) x 13.6mm (H)	
Frequency	1575.42 MHz	824 MHz ~ 894 MHz -- 1840 ~ 2000 MHz
Polarization	RHCP (right hand circular polarization)	--

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Gain	27 dB typically	1.7 dBi
Noise Figure	1.2 max.	-----
Attenuation	20dB min. @ F0+/-50MHz	-----
Band Width	10 MHz	70 MHz for frequency of 824 ~ 894 MHz 160 MHz for frequency of 1840 ~ 2000 MHz
VSWR	< 1.5	< 1.5
Impedance	50 ohm	50 ohm
Power Supply	Power Consumption: 2.7~5.5 VDC / 13 mA	Power Handling Capacity: 10 W
Cable & Connector	3m RG-174 FME Connector	3m RG-174 SMA Connector
Operating Temperature	-40°C ~ +85°C	-40°C ~ +85°C
Storage Temperature	-45°C ~ +100°C	-45°C ~ +100°C

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Welcome custom design for GSM frequencies!