



# Dual-Band Antenna Series

## Model: AU-3C-AMPS/1900

A combination of both GPS and AMPS antennas that is designed mainly to simplify the need for an AVL or Fleet Management antenna system



This **AU-3C-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, small in size, covert installation and ruggedized construction, such as covering vehicle roof and trunk lid interior deck or dashboard.

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

### Specifications:

	GPS Antenna	AMPS/1900 Antenna
<b>Features</b>	High performance GPS patch antenna with state-of-the-art low noise amplifier	Dual Band 850/1900 MHz
<b>Size</b>	64.5mm(D) x 14mm(H)	
<b>Frequency</b>	1575.42 MHz	824 MHz ~ 894 MHz -- 1840 ~ 2000 MHz
<b>Polarization</b>	RHCP (right hand circular	--

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

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Welcome custom design for GSM frequencies!