



# Qual-Band Antenna Series

## Model: AU-3C-GSM

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



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This **AU-3C-GSM**, 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 GSM antenna is highly ideal for those applications that require durability, small in 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	GSM Antenna
<b>Features</b>	High performance GPS patch antenna with state-of-the-art low noise amplifier	Quad band GSM 850/900/1800/1900 MHz
<b>Size</b>	64.5mm(D) x 14mm(H)	
<b>Frequency</b>	1575.42 MHz	824~960 & 1710~1990 MHz
<b>Polarization</b>	RHCP (right hand circular polarization)	--
<b>Gain</b>	27 dB typically	1.0 dBi
<b>Noise Figure</b>	1.8 max.	-----
<b>Attenuation</b>	20dB min. @ F0+/-50MHz	-----
<b>Band Width</b>	10 MHz	72 MHz for frequency of 824~896 MHz 80 MHz for frequency of 880~960 MHz 170 MHz for frequency of 1710~1880 MHz 140 MHz for frequency of 1850~1990 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 VDC / 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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