



Dual-Band Antenna Series

Model: AU-3C-UMTS

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



This **AU-3C-UMTS**, a member of our mobile antenna series coming up with UMTS feature, 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 UMTS 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.

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

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Specifications:

| | GPS Antenna | UMTS Antenna |
|------------------|--|--|
| Features | High performance GPS patch antenna with state-of-the-art low noise amplifier | UMTS 1885 ~ 2200 MHz |
| Size | 64.5mm(D) x 14mm(H) | |
| Frequency | 1575.42 MHz | W-CDMA: 1920 ~ 1980 and 2110 ~ 2170 MHz CDMA: 1900 ~ 1920 and 2010 ~ 2025 MHz Satellite: 1980 ~ 2010 and 2170 ~ 2200 MHz |

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|------------------------------|---|-------------------------------------|
| Polarization | RHCP (right hand circular polarization) | ----- |
| Gain | 27 dB typically | 1.7 dBi |
| Noise Figure | 1.2 Max. | ----- |
| Attenuation | 20dB min. @ F0+/-50MHz | ----- |
| Band Width | 10 MHz | 315 MHz for 1885 ~ 2200 MHz |
| VSWR | ≤ 2.0 | ≤ 2.0 |
| 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 and Standard RF Connector | 3m RG-174 and Standard RF 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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