



SALES INFORMATION & SPECIFICATIONS

Ross Associates

Date:2/03
Restrictions:None

**Antenna
Microwave
2.4 Ghz
CPRH**

Circularly Polarized 2.4 Ghz Mobile Antenna

MODEL # KSA-4-CPRH



2.4 Ghz Police Antenna



2.4/1.575 Ghz Dual Band Antenna

Features:

- Designed for Police Cars
- Upward looking Antenna
- Circularly Polarized to minimize local interference.
- Low Profile for car wash
- Available in Dual band with GPS
- Easy Mounting
- Perfect for Covert mounting of 2.4 Ghz Antenna
- Available in Blk, White, or Gray

Single Band \$149

Dual Band \$184

SPECIFICATIONS:

Frequency:	Video 2.4 - 2.5 GHz
	GPS 1575.42 +/- 2 MHz
Video Gain:	4 dBic
GPS Gain:	27 dB, 5 dBi Antenna
VSWR:	2:1 max over range
Noise Figure:	2.0 dB max, 1.7 dB typical
Operating Temp:	-40° to +85° C
Nominal Impedance:	50 ohms
Maximum Power:	5 Watts (Video Band)
Amplifier Bias:	+5 VDC +/- 10% (GPS)
Current Drain:	20 mA max
Cable:	
Video	RG-188, 6 inches, exits at bottom
GPS	RG-174, 15 ft, exits at bottom
Case:	SM-2450CP, 2.5" diameter x 3/4" high
	SM-2450CP/1575, 4.5" diameter
Case Material:	Polycarbonate
Mounting:	5/8" diameter feed thru, 3/4" long thread for up to 1/2" thick metal
Beamwidth:	120 degrees
Connector:	SM-2450CP, SMA-Plug
	SM-2450CP/GPS, SMA-Plug
	Consult factory for other configurations and connectors.

DESCRIPTION:

These antenna are tough all around performers. The surface mount single band and dual band antennas are very low profile, perfect for any vehicle, cargo trailers and more.

Models include a single band C.P. 2.4 GHz only version, as well as dual band C.P. 2.4 GHz & GPS antennas. The dual band 2.4 GHz & GPS versions allow multiband operation for a variety of Surveillance / AVL applications. Separate cabling is provided for the GPS and 2.4 GHz interface.

The design uses a 5/8" feed thru for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. On both models, the antennas are outfitted with 6 inches of RG-188 cable with a SMA connector for 2.4 GHz. For the dual band model, the GPS interface has 15 feet of RG-174 cable with an SMA connector. Other cable lengths and connectors are available, please consult factory for details.

GPS performance is 27 dB, with 5 dBi antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics. Power for the GPS amplifier (+5 VDC) and signal is applied through the same cabling directly to the GPS circuit.