

# SANCPC 12x36006

dual band 12 port CP quasi-omni “log” antenna

## Features

- ❑ **Transmit Diversity Gain**
- ❑ **Using CP. (Circular Polarization) for improved indoor penetration**
- ❑ **Outstanding performance in all bands (1710 - 2250 & 5100 - 5900 MHz)**
- ❑ **Low intermodulation**
- ❑ **Allows for 12 ea. independent quasi-omni connections**
- ❑ **Featuring Log-Periodic elements**
- ❑ **Fading reduction**
- ❑ **Excellent isolation between ports**



## Electrical specifications

Frequency range, mid band:	<b>8x 1710-2500 MHz</b>
Frequency range, high band:	<b>4x 5100-5900 MHz</b>
Impedance:	<b>50 ohm</b>
Connector type:	<b>7/16 Din or 4.3-10</b>
Return loss (typical):	<b>18 dB</b>
Polarization:	<b>Circular</b>
Gain ea. port 1710-2300 [Circular]:	<b>12x8 dBi</b>
Gain ea. port 5100-5900 [Circular]:	<b>12x7 dBi</b>

Intermodulation (2x20W):	<b>IM3 153 dB</b>
	<b>IM5 160 dB</b>
	<b>IM7/9 170 dB</b>

Power rating 1710-3200:	<b>12x 150 W</b>
Power rating 5100-5900:	<b>12x 20 W</b>

H-plane (-3 dB point):	<b>12x 360°</b>
V-plane (-3 dB point):	<b>12x 35°</b>
Lightning protection:	<b>DC grounded</b>

## Mechanical specifications

Overall height:	<b>48 in</b>	<b>[1220 mm]</b>
Diameter:	<b>14 in</b>	<b>[355 mm]</b>
Weight (excluding brackets):	<b>32 lbs</b>	<b>[14.4 Kg]</b>
Wind load measured up to:	<b>150 mph</b>	<b>[240 Km/h]</b>
Wind area (front of antenna):	<b>4.66 sq. ft.</b>	<b>[0.43 sq.m]</b>
Lateral thrust at 113 mph/ 180 Km/h (worst case):	<b>238 lbs</b>	<b>[1060 N]</b>

## Materials

Radiating Elements:	<b>Silver plated brass</b>
Transformer (Power distribution)	<b>Ceramic PCB</b>
Chassis:	<b>Aluminum</b>
Radome:	<b>PVC / TPO</b>
Mounting:	

*The SANCPC 12x36006 is made in the U.S.A.*