

# SACPC 8x36010

1710 -2250 MHz (8x) CP quasi-omni “log” antenna

## Features

- ❑ **Optimized for 4x4 MIMO**
- ❑ **Using CP. (Circular Polarization) for improved indoor penetration**
- ❑ **Outstanding performance over the entire band (1710 - 2250 MHz)**
- ❑ **Built in MRC combiners**
- ❑ **Allows for 2 ea. independent 4x4 MIMO paths**
- ❑ **Featuring Log-Periodic elements**
- ❑ **Fading reduction**
- ❑ **Excellent isolation between ports**



## Electrical specifications

Frequency range:	<b>1710-2250 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 [Circular]:	<b>8x12 dBi</b>
Intermodulation (2x20W):	<b>IM3 153 dB</b> <b>IM5 160 dB</b> <b>IM7/9 170 dB</b>
Power rating:	<b>8x 150 W</b>
H-plane	<b>360°</b>
V-plane (-3 dB point):	<b>35°</b>
Lightning protection:	<b>DC grounded</b>

## Mechanical specifications

Overall height:	<b>24 in</b>	<b>[610 mm]</b>
Diameter:	<b>14 in</b>	<b>[355 mm]</b>
Weight (excluding brackets):	<b>28 lbs</b>	<b>[12.6 Kg]</b>
Wind load measured up to:	<b>150 mph</b>	<b>[240 Km/h]</b>
Wind area (front of antenna):	<b>2.33 sq. ft.</b>	<b>[0.22 sq.m]</b>
Lateral thrust at 113 mph/ 180 Km/h (worst case):	<b>120 lbs</b>	<b>[530 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 SACPC 8x36010 is made in the U.S.A.*