

# SAO 2xL rev2

1710 -2180 MHz CP Omni antenna

## Features

- ❑ **Transmit Diversity Gain**
- ❑ **Can be configured to combine space & polarization diversity**
- ❑ **Outstanding performance over the entire band (1710 - 2180 MHz)**
- ❑ **Ideal for in & outdoor applications**
- ❑ **Low intermodulation**
- ❑ **“Full size” Din connector**
- ❑ **Fading reduction**
- ❑ **Modular (2x 3x 4x nx ..)**



## Electrical specifications

Frequency range:	<b>1710-2180 MHz</b>
Impedance:	<b>50 ohm</b>
Connector type:	<b>2x7/16 Din</b>
Return loss:	<b>20 dB</b>
Polarization:	<b>Circular</b>
Gain ea. port [Circular]:	<b>1 dBdC</b>

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

Power rating:	<b>2x125 W</b>
H-plane:	<b>2x360°</b>
V-plane (-3 dB point):	<b>2x30°</b>
Lightning protection:	<b>DC grounded</b>

## Mechanical specifications

Height:	<b>24 in</b>	<b>[610 mm]</b>
Diameter:	<b>4 in</b>	<b>[102 mm]</b>
Weight (excluding brackets):	<b>2.5 lbs</b>	<b>[1.13 Kg]</b>
Wind load measured up to:	<b>150 mph</b>	<b>[240 Km/h]</b>
Wind area (front of antenna):	<b>0.67 sq. ft.</b>	<b>[0.06 sq.m]</b>
Lateral thrust at 113 mph/ 180 Km/h (worst case):	<b>34 lbs</b>	<b>[151.5 N]</b>

## Features

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

*The SAO 2xL rev2 is made in the U.S.A.*