

SAO 4

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:	1710-2180 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	20 dB
Polarization:	Circular
Gain ea. port [Circular]:	4 dBdC

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

Power rating:	125 W
H-plane:	360°
V-plane (-3 dB point):	15°
Lightning protection:	DC grounded

Mechanical specifications

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

Materials

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

The SAO 4 is made in the U.S.A.