

SACP 2x3016

1710 -2170 MHz Dual (2x) CP log-periodic antenna

Features

- ❑ Transmit Diversity Gain
- ❑ Can be configured to combine space & polarization diversity
- ❑ Outstanding performance over the entire band (1710 - 2170 MHz)
- ❑ Excellent Axial Ratio
- ❑ Optimized for 4G & 3G systems
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Fading reduction
- ❑ Excellent isolation between ports



Electrical specifications

Frequency range:	1710-2170 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	2x16 dBdC
Gain ea. port [Linear]:	2x13 dBdL
Axial Ratio:	3 dB
Isolation between ports (TX band):	28 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 150 dB
	IM5 160 dB
	IM7/9 170 dB
Power rating:	2x 300 W
H-plane (-3 dB point):	2x 30°
V-plane (-3 dB point):	2x 12°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	29 in	[737 mm]
Width:	17.25 in	[438 mm]
Depth:	7.75 in	[197 mm]
Weight (excluding brackets):	18 lbs	[8.1 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	3.47 sq. ft.	[0.32 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	177 lbs	[789 N]

Materials

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

The SACP 2x3016 is made in the U.S.A.