

SMCP 2x5510

2250 -2700 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 (2250 - 2700 MHz)
- ❑ Excellent Axial Ratio
- ❑ Outstanding in building penetration
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Fading reduction
- ❑ Excellent isolation between ports



Electrical specifications

Frequency range:	2250-2700 MHz
Impedance:	50 ohm
Connector type:	7/16 Din or 4.3-10
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	2x12 dBi
Axial Ratio:	2 dB
Front-to-back ratio:	30 dB

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

Power rating:	2x 150 W
H-plane (-3 dB point):	2x 55°
V-plane (-3 dB point):	2x 35°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	8.5 in	[216 mm]
Width:	6.5 in	[165 mm]
Depth:	6.5 in	[165 mm]
Weight (excluding brackets):	6 lbs	[2.7 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	0.38 sq. ft.	[0.036 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	20 lbs	[87 N]

Materials

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

The SMCP 2x5510 is made in the U.S.A.