

# SCCP 2x6016

Dual (2x) Circularly Polarized log-periodic antenna

## Features

- ❑ Small size
- ❑ Optimized for combined space & polarization diversity
- ❑ Outstanding performance over the entire band (800 - 900 MHz)
- ❑ Excellent Axial Ratio
- ❑ Suitable for CDMA / GSM / 3G
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Upper side-lobe suppression
- ❑ Excellent isolation between ports



## Electrical specifications

Frequency range:	<b>800-900 MHz</b>
Impedance:	<b>50 ohm</b>
Connector type:	<b>7/16 Din</b>
Return loss:	<b>18 dB</b>
Polarization:	<b>Circular</b>
Gain ea. port [Linear]:	<b>2x11 dBdL</b>
Gain ea. port [Circular]:	<b>2x16 dBiC</b>
Axial Ratio:	<b>2 dB</b>
Isolation between ports (TX band):	<b>30 dB</b>
Front-to-back ratio:	<b>25 dB</b>
Intermodulation (2x20W):	<b>IM5 160 dB</b> <b>IM7/9 170 dB</b>
Power rating:	<b>2x 500 W</b>
H-plane (-3 dB point):	<b>2x 55 - 60°</b>
V-plane (-3 dB point):	<b>2x 12 - 13°</b>
Lightning protection:	<b>DC grounded</b>

## Mechanical specifications

Overall height:	<b>58.3 in</b>	<b>[ 1480 mm]</b>
Width:	<b>12.1 in</b>	<b>[308 mm]</b>
Depth:	<b>9.75 in</b>	<b>[248 mm]</b>
Weight (excluding brackets):	<b>20 lbs</b>	<b>[9 Kg]</b>
Wind load measured up to:	<b>150 mph</b>	<b>[240 Km/h]</b>
Wind area (front of antenna):	<b>4.9 sq. ft.</b>	<b>[0.46 sq.m]</b>
Lateral thrust at 113 mph/ 180 Km/h (worst case):	<b>251 lbs</b>	<b>[1114 N]</b>

## Materials

Radiating Elements:	<b>Aluminum</b>
Transformer (Power distribution)	<b>Ceramic PCB</b>
Extrusion:	<b>Aluminum</b>
Radome:	<b>Grey PVC</b>
Antenna bolts:	<b>Stainless steel</b>

*The SCCP 2x6016 is made in the U.S.A.*