

H-SCCP 2x6016

Dual (2x) Circularly Polarized log-periodic antenna

Features

- ❑ Small size
- ❑ Optimized for combined space & polarization diversity
- ❑ Outstanding performance over the entire band (870 - 960 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:	870-960 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Linear]:	2x11 dBdL
Gain ea. port [Circular]:	2x16 dBiC
Axial Ratio:	2 dB
Isolation between ports:	
transmit band - 915-960 MHz	30 dB
receive band - 870-915 MHz	20 dB
Front-to-back ratio:	25 dB
Intermodulation (2x20W):	IM5 160 dB IM7/9 170 dB
Power rating:	2x 500 W
H-plane (-3 dB point):	2x 55 - 60°
V-plane (-3 dB point):	2x 12 - 13°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	58.3 in	[1480 mm]
Width:	12.1 in	[308 mm]
Depth:	9.75 in	[248 mm]
Weight (excluding brackets):	18 lbs	[8.16 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	4.9 sq. ft.	[0.46 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	251 lbs	[1114 N]

Materials

Radiating Elements:	Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey PVC
Antenna bolts:	Stainless steel

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