

SCW 6016

698 - 900 MHz Ultra wide band log-periodic antenna

Features

- ❑ Small size
- ❑ Improved Side-to-side rejection
- ❑ Suitable for CDMA/GSM/3G/4G
- ❑ High return loss
- ❑ Low intermodulation
- ❑ High front-to-back ratio
- ❑ Outstanding performance over the entire band (698 - 900 MHz)
- ❑ Upper side-lobe suppression
- ❑ Rugged design
- ❑ Dramatically improved signal to interference performance



Electrical specifications

Frequency range:	698-900 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	20 dB
Polarization:	Vertical
Gain:	16 dBd
Front-to-back ratio:	> 30 dB
Upper side-lobe suppression:	18 dB
Intermodulation (2x20W):	IM3 150 dB
	IM5 160 dB
	IM7/9 170 dB
Power rating:	500 W
H-plane (-3 dB point):	54 - 60°
V-plane (-3 dB point):	9 - 10°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	92 in	[2337 mm]
Width:	9 in	[229 mm]
Depth:	10 in	[254 mm]
Weight (excluding brackets):	32.5 lbs	[14.8 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	6.39 sq. ft.	[0.59 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	326 lbs	[1452 N]

Materials

Radiating Elements:	Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey Fiberglass/PVC
Tilt-bracket:	Hot dip galvanized steel
Mounting bolts:	Stainless steel

The SCW 6016 is made in the U.S.A.