

SI 8016

2400 - 2500 MHz ISM antenna

Features

- ❑ Small size
- ❑ Aesthetically pleasing
- ❑ Ideal for 90° coverage area
- ❑ High return loss
- ❑ High front-to-back ratio
- ❑ Upper side-lobe suppression
- ❑ Outstanding performance over the entire band (2400 - 2500 MHz)
- ❑ Rugged design
- ❑ Dramatically improved signal to interference performance



Electrical specifications

Frequency range:	2400-2500 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Vertical
Gain:	> 16 dBi
Front-to-back ratio:	30 dB
Upper side-lobe suppression:	20 dB

Power rating:	100 W
H-plane (-3 dB point):	80°
V-plane (-3 dB point):	7 - 9°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	42 in	[1067 mm]
Width:	4.5 in	[114 mm]
Depth:	4.25 in	[108 mm]
Weight (excluding brackets):	7 lbs	[3.18 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	1.32 sq. ft.	[0.12 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	67 lbs	[299 N]

Materials

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

The SI 8016 is made in the U.S.A.