

# **Symmetrical Horn Carrier Class** SH-CC 5-90

## CONNECTORIZED SYMMETRICAL HORN ANTENNA WITH CARRIER CLASS PERFORMANCE

The SH-CC Series offer unique RF performance in a very compact package. Scalar horn antennas have symmetrical beams with identical patterns in the Vertical and Horizontal plain. Extremely small side lobes secure greatly decreased interference.

SH-CC Antennas are ideal for covering areas with close in clients where null zone issues occur. High density AP clusters and radio co-location is now practical due to very unique RF radiation patterns and compact size.

SH-CC 5-90 antenna is equipped with N-female connectors.

### **TECHNICAL DATA**

Radio Connection	2x N Female Bulkhead Connector
Antenna Type	Horn
Materials	UV Resistant polycarbonate, Polypropylene, Aluminium, Zinc, Stainless Steel
Enviromental	IP55
Pole Mounting Diameter	15-86 mm
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	160 km/hour
Mechanical Tilt	± 25°
Weight	1.7 Kg / 3.7 lbs – single unit 2.4 Kg / 5 lbs – single unit incl. package 25.4 Kg / 56 lbs – carton (10 units)
Single Unit	Retail Box: $31 \times 32 \times 24$ cm
10 Units	Carton Box: $111 \times 34 \times 41$ cm

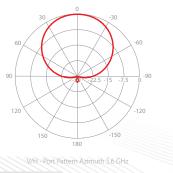
#### PERFORMANCE

Frequency Range	5180 - 6100 MHz
Gain	10 dBi
Azimuth/Elevation BW -3 dB	H 67° / V 67°
Azimuth/Elevation BW -6 dB	H 90° / V 90°
Front-to-Back Ratio	38 dB
VSWR Max	1.8
Polarization	Dual Linear H + V
Impedance	50 Ohm

#### **AZIMUTH PATTERN**



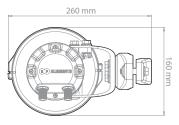
180



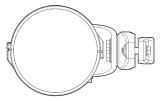
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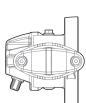
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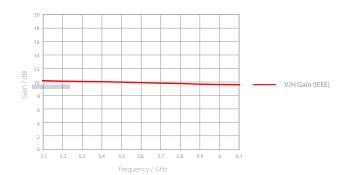








## GAIN



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