

PCS 1900 Planar Antennas (1850 – 1990 MHz) Dual Slant 45° Polarized Panel For Base Station Applications SPA 1900/85/13/0/DS

Electrical properties

Frequency range	1850 – 1990 MHz
Impedance	50 Ω
VSWR	1.3:1
Polarization	dual linear $\pm 45^\circ$
Gain	13.0 dBi
Transmitter antenna $\pm 45^\circ$: 3 dB beamwidth horizontal 3 dB beamwidth vertical Front-to-back ratio	70° 24° 25 dB
Transmitter antenna vertical: 3 dB beamwidth horizontal 3 dB beamwidth vertical Front-to-back ratio	85° 18° 25 dB
Isolation between ports	≥ 30 dB
Permitted power on entrance	250 W (CW) at 25°C



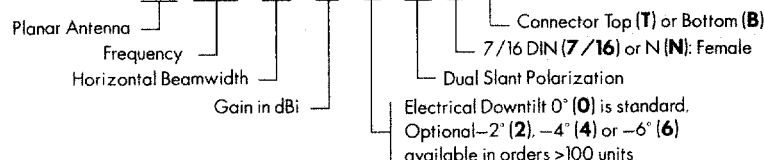
Mechanical properties

Antenna dimensions	21.3" x 4.6" x 1.5" (540 x 116 x 38 mm)
Weight	5.3 lbs. (2.4 kg)
Housing material	Aluminum anodized
Radome material	ASA Plastic
Standard radome color*	RAL 9002 (grey-white)
Operating temperature range	- 40°C to + 80°C
Storage temperature range	- 40°C to + 80°C
Windload (frontal)	195 N @ 125 mph
Wind survivability (wind tunnel tested)	125 mph

* Antennas may be painted with Imron 5000 or equivalent 2-part enamel on a polyurethane-acrylic base. Do not use metallic-based paints.

Model number legend

SPA 1900 / 85 / 13 / 0 / DS - X - X



Mounting

Standard Wall Mount and Pole Mount hardware supplied.
Other mounting options available.

Huber+Suhner Wireless Division

USA 802-878-0555 • Fax 802-878-9880

www.hubersuhnerinc.com

08.97
Specifications subject to change without notice.

Canada 613-596-6646 • Fax 613-596-3001