

PCS 1900 Planar Antennas (1850 – 1990 MHz) Dual Slant 45° Polarized Panel For Base Station Applications SPA 1900/85/17/2/DS

Electrical properties

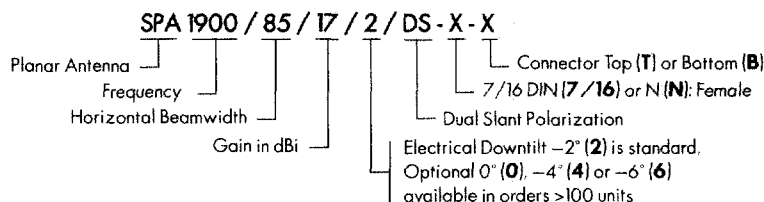
Frequency range	1850 – 1990 MHz
Impedance	50 Ω
VSWR	13:1
Polarization	dual linear $\pm 45^\circ$
Gain	17.0 dBi
Transmitter antenna $\pm 45^\circ$: 3 dB beamwidth horizontal 3 dB beamwidth vertical Front-to-back ratio	70° 6° 25 dB
Transmitter antenna vertical: 3 dB beamwidth horizontal 3 dB beamwidth vertical Front-to-back ratio	85° 6° 25 dB
Standard downtilt	- 2°
Isolation between ports	≥ 30 dB
Permitted power on entrance	250 W (CW) at 25°C

Mechanical properties

Antenna dimensions	61.8" x 4.6" x 1.5" (1570 x 116 x 38 mm)
Weight	8.8 lbs. (4.0 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)	566 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



Mounting

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

