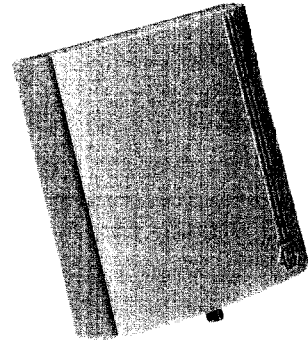


Micro/Picocell PCS 1900 Planar Antennas (1850 – 1990 MHz) For Indoor/Outdoor Applications SPA 1900/XX/X/O/X



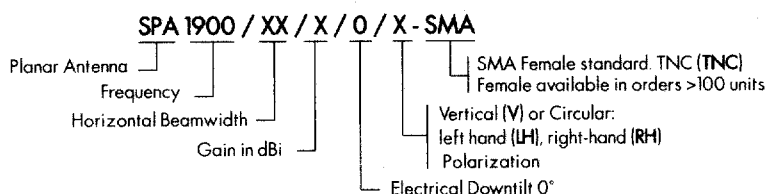
Electrical properties	SPA 1900/80/8/0/V	SPA 1900/70/8/0/LH	SPA 1900/70/8/0/RH
Frequency range	1850 - 1990 MHz	1850 - 1990 MHz	1850 - 1990 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.5:1	1.5:1	1.5:1
Polarization	linear, vertical	circular (left)	circular (right)
Gain	7.5 dBi	7.8 dBi	7.8 dBi
3 dB beamwidth horizontal	80°	70°	70°
3 dB beamwidth vertical	50°	70°	70°
Front-to-back ratio	15 dB	20 dB	20 dB
Axial ratio	—	3 dB	3 dB
Permitted power on entrance	75 W (CW) at 25°C	75 W (CW) at 25°C	75 W (CW) at 25°C

Mechanical properties

Antenna dimensions	4" x 3.7" x 1.3" (101 x 95 x 32 mm)	4" x 3.7" x 1.3" (101 x 95 x 32 mm)	4" x 3.7" x 1.3" (101 x 95 x 32 mm)
Weight	3.5 oz. (100 g)	4 oz. (114 g)	4 oz. (114 g)
Radome material	ASA Plastic	ASA Plastic	ASA Plastic
Standard radome color*	RAL 7035 (grey)	RAL 7035 (grey)	RAL 7035 (grey)
Standard housing/bracket color	RAL 7042 (dark grey)	RAL 7042 (dark grey)	RAL 7042 (dark grey)
Operating temperature range	- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Storage temperature range	- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Windload (frontal)	24 N @ 125 mph	24 N @ 125 mph	24 N @ 125 mph
Wind survivability (wind tunnel tested)	125 mph	125 mph	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.