



SWAN55410



SWAN55180063C1



Low Profile Impact Directional Panel Antennas

The SWAN Directional PMR antennas have been designed for local area tunnel and in-building applications. The antennas are custom designed for Digital PMR frequencies and provide excellent performance in exceptionally confined space frames making them extremely suitable for indoor applications. Suitable for wall or ceiling mounting.

Features

- Digital PMR applications
- Stylish molded housing
- IP 66 rated
- CDMA applications
- Single frequency
- Flexible mounting- wall or ceiling
- Linear polarized
- Broadband, UHF
- Flexible mounting- flush or pivot
- Low profile

Antenna Electrical Specifications

Model	Frequency Range	-3dB H-Plane Beamwidth	-3dB E-Plane Beamwidth	Gain	VSWR
SWANSS380W4	380-400 MHZ	130°	110°	4 dBi	< 1.5:1
SWANSS380C4	380-400 MHZ	130°	110°	4 dBi	< 1.5:1
SWANSS410W4V1	410-430 MHZ	130°	110°	4 dBi	< 1.5:1
SWANSS450W4	450-470 MHZ	130°	110°	4 dBi	< 1.5:1
SWANSS450C4V1	450-470 MHZ	130°	110°	4 dBi	< 1.5:1
SWANSS450W4V1	450-470 MHZ	130°	110°	4 dBi	< 1.5:1

Technical Data

Maximum Power: 25 watts for 380-490 MHz models
Polarization: Vertical, linear
Nominal Impedance: 50 ohms
VSWR at Resonant Point: See Electrical Specifications
Front-to-Back Ratio: 8 dB
Radome Material: White UV resistant PC/ABS polycarbonate
Base Material: Aluminum
Downtilt: 0-45° adjustable
Panning: +/-15° adjustable
Front-to-Back ratio: 8 dB (for 380-490 MHz models only)
Termination: 9.8" (250 mm) cable
Connector Type: Type N socket
Mounting Method: Mold brackets for flush or pivot mounting for wall applications. Threaded studs and wing nuts for ceiling applications.

Model	Cable	Connector	Dimensions (L x W x D)	Weight
SWANSS380W4	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg
SWANSS380C4	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg
SWANSS410W4V1	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg
SWANSS450W4	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg
SWANSS450C4V1	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg
SWANSS450W4V1	9.84" (25 cm)	N socket	11.6" x 8.3" x 2" (29.5 x 21.1 x 5.2 cm)	1.7 lbs 0.75 kg