

# SWAN Digital PMR Inbuilding Antennas 380-490MHz



**Digital PMR Applications**  
**Minimum Visual Impact**  
**Stylish Moulded Housing**  
**IP 66 Rated**

The **SWAN Digital PMR** antenna has been designed for local area tunnel and Inbuilding 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.



There are 4 models in the series covering 380-400MHz, 410-430MHz, 450-470MHz and 470-490 MHz. Suitable for wall or ceiling mounting.

| ELECTRICAL SPECIFICATIONS |             |                  |             |             |
|---------------------------|-------------|------------------|-------------|-------------|
| Frequency Range           |             | 380-490 MHz      |             |             |
| Gain                      |             | 4dBi             |             |             |
| Impedance                 |             | 50Ω Nominal      |             |             |
| VSWR (Return loss) :      |             | <1.5:1 typical   |             |             |
| Polarisation              |             | Linear           |             |             |
| -3dB H-Plane Beamwidth:   |             | 130°             |             |             |
| -3dB E-Plane Beamwidth:   |             | 110°             |             |             |
| Front to Back Ratio       |             | 8dB              |             |             |
| Power Rating              |             | 25 Watts         |             |             |
| Mechanical Specifications |             |                  |             |             |
| Connector(s)              |             | N Type socket    |             |             |
| Cables                    |             | 250mm cable      |             |             |
| Dimension (LxWxD):        |             | 295 x 211 x 52mm |             |             |
| Weight                    |             | 0.75 Kg          |             |             |
| Colour                    |             | White            |             |             |
| Materials                 |             |                  |             |             |
| Radiating Elements        |             | Aluminium Alloy  |             |             |
| Radome                    |             | UV Resistant ABS |             |             |
| Reflector                 |             | Aluminium Alloy  |             |             |
|                           |             |                  |             |             |
| STANDARD MODELS           |             |                  |             |             |
| Frequency                 | 380-400 MHz | 410-430 MHz      | 450-470 MHz | 470-490 MHz |
| Wall Mount                | SWANSS380W4 | SWANSS410W4      | SWANSS450W4 | SWANSS470W4 |
| Ceiling Mount             | SWANSS380C4 | SWANSS410C4      | SWANSS450C4 | SWANSS470C4 |