

## s DATASHEET

SKU: 029309

### Benelec ISM 2.45GHz, 5dB Button Patch Antenna

Benelec's Button Patch Antennas are perfect for next generation Wireless Local Loop, WLAN and telemetry. They have features that make them invaluable, solving many of the problems normally associated with these higher frequencies. The antennas use unique designs that provide significant improvements in efficiency while being very economical. VSWR performance is maintained across the operating bandwidth. The antennas provide near hemispherical energy radiation, resulting in broad area coverage, yet maintaining directivity and isolation.

The Button Patch is only 64mm diameter. It is also enclosed in a weather-tight polycarbonate Radome, with a smooth finish. The antennas are supplied in white.

They are economically mounted using double-sided tape.

They terminate with 152mm of RG-188 cable, and a male SMA.

Additional jumper cables can be provided. The antennas are suitable for both indoor and outdoor use.

The antennas come in a variety of gain configurations, depending on the frequency of operation. Please refer to model chart for exact gain and frequency.

The Button Patch antennas mount using industrial double-sided tape. Because they have broad beamwidth, angle adjustment is usually not necessary.

Model	Description	Frequency
029309	5dBi Button Patch	2.40-2.49 GHz
029403	6dBi Button Patch	5.72-5.83GHz

All antennas are supplied with 152mm RG188 and male SMA. For other connectors including reverse polarity or cable configurations, please consult factory.



#### APPLICATIONS

- Small white radome; perfect for in building coverage
- Models for 802.11 WLAN and U-NII (5.2-5.8GHz)
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

#### SPECIFICATIONS

Frequency:	See above
Lightening Protection:	External Recommended
Gain:	See Above
Radome Size:	64mm Diam x 19mm Depth
Bandwidth @2:1SWR:	See frequency above
Rated Wind Velocity:	160kph+
Impedance:	50 ohm nominal
Antenna Radome:	Polycarbonate
Maximum Power:	50 watts
Mounting:	Fixed double sided tape surface mounting only
Beamwidth:	029309 80 Deg Az, 80 Deg El
Weight:	<0.25kg
Termination:	152mm RG188, male SMA
Front-to-Back Ration:	15dB

For special configurations, please consult factory.

Website: [benelec.au](http://benelec.au)