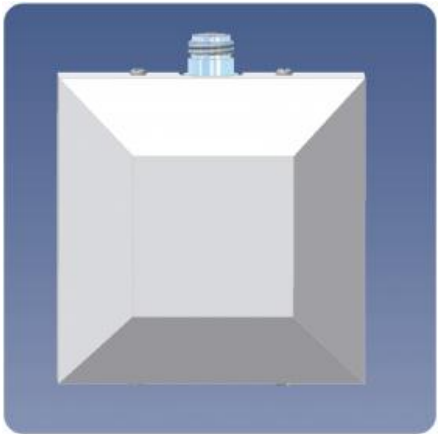


Indoor Right Hand Circularly Polarized Patch Antenna for mounting on Wall or Ceiling

DESCRIPTION

- Low profile antenna for the 1910 - 2200 MHz band.
- PCPI UMTS is a Right Hand Circularly Polarized patch antenna for indoor use.
- Circularly polarized antenna is chosen to avoid out-of-phase signals.
- Specially designed for closed rooms.
- Covers the UMTS frequency range 1910 - 2200 MHz with a radiation of approx. 5 dBic 3 dBd.
- Full size 2 λ circular patch antenna.
- The antenna is carefully sealed with a discreet white cover.
- The connector is placed at one side to enable mounting close to a wall or a ceiling.



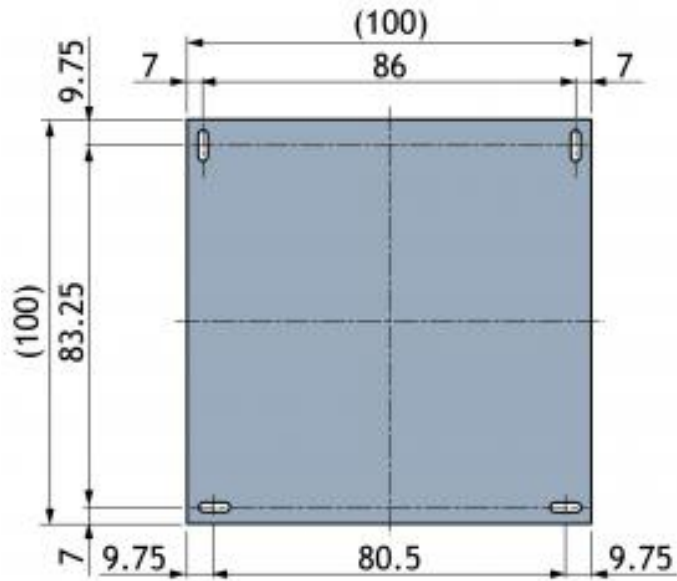
ORDERING

Model	Product No.
PCPI UMTS	100000231

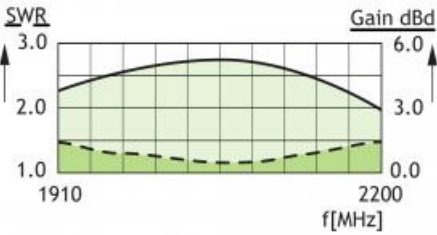
SPECIFICATIONS

Electrical	
Model	PCPI UMTS
Frequency	1910 - 2200 MHz
Antenna Type	Right hand circularly polarized antenna
Max. Input Power	50 W
Polarisation	Circular
3 dB Beamwidth, E-Plane	70 °
3 dB Beamwidth, H-Plane	70 °
Impedance	50 Ω
Gain	5 dBic (3 dBd)
VSWR	< 1.5:1 @ f.res.
Mechanical	
Connection(s)	N(f)
Materials	Cover: PS Chassis: Aluminium
Colour	White (RAL 9003)
Dimensions	Approx. 104 x 104 x 40 mm
Weight	Approx. 0.2 kg / 0.44 lb
Mounting	For mounting on wall or ceiling 4.5 x 10 mm (4 holes)

MOUNTING DETAILS (DIMENSIONS EXCL. COVER)



TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



This curve shows the radiation patterns in the vertical plane.

TYPICAL RADIATION PATTERN (H-PLANE)



This curve shows the radiation patterns in the horizontal plane (horizontal coverage).