

PCPI-xH-TETRA

1-Band | 1-Port | Patch Antenna | Left or Right Hand Circular Polarization | 80° | 380..470 MHz | 7.0 dBic | SISO | Indoor

Indoor left or right hand circularly polarized Patch Antenna for mounting on Wall or Ceiling

- Low-profile antenna for the 380-470 MHz band
- Left or right hand circularly polarized patch antenna for indoor use
- Circular polarization is chosen to avoid out-of-phase signals
- Reduces flutter considerably
- Specially designed for closed rooms
- Covers approximately 50 MHz with a radiation of approximately 7 dBic
- The antenna is carefully sealed with a discreet cover
- The connector is placed at one side to enable mounting close to a wall or ceiling
- Includes mounting bracket
- Connection also available on back side (see overleaf)



This model is available in the iBwave In-Building Network Components Database - www.ibwavecomponents.com

Ordering Options				
Type	Polarization	Connector Location	Frequency Range	Product Number
PCPI-RH-TETRA-s-f	Right Hand Circular	Side Connector	380-430 MHz	100000426
PCPI-LH-TETRA-s-f	Left Hand Circular	Side Connector	380-430 MHz	100000425
PCPI-RH-TETRA-l-h	Right Hand Circular	Side Connector	430-470 MHz	100000442
PCPI-LH-TETRA-l-h	Left Hand Circular	Side Connector	430-470 MHz	100000441
PCPI-RH-TETRA-s-f-BC	Right Hand Circular	Back Connector	380-430 MHz	100000468
PCPI-LH-TETRA-s-f-BC	Left Hand Circular	Back Connector	380-430 MHz	TBD
PCPI-RH-TETRA-l-h-BC	Right Hand Circular	Back Connector	430-470 MHz	TBD
PCPI-LH-TETRA-l-h-BC	Left Hand Circular	Back Connector	430-470 MHz	TBD
Accessories				Product Number
PATCH-WAMO		Refer to Mounting Details		100000511
Electrical Characteristics				
Frequency Range	380-470 MHz covered by two models			
Polarization	Circular			
Half Power Beamwidth - H-Plane	Approx. 80°			
Half Power Beamwidth - E-Plane	Approx. 80°			
Gain	Approx. 7.0 dBic			
Bandwidth	≥ 50 MHz			
Impedance	Nom. 50Ω			
SWR	≤ 2			
Intermodulation	Not Rated			
Maximum Input Power	100 Watts			
Connector	N-Type Female			
Mechanical Characteristics				
Dimensions (approximate)	Length: 345 mm (13.6 in) Width: 345 mm (13.6 in) Height: 60 mm (2.4 in)			
Weight	2.3 kg (5.1 lbs)			
Temperature Range	-30° C to +75° C (-22° F to +167° F)			
Colour	Marine White			
Materials	Cover	ABS White		
	Chassis	Aluminium		
Mounting	For mounting on wall or ceiling. Ø5 mm (0.2 in). Three holes. See mounting details.			

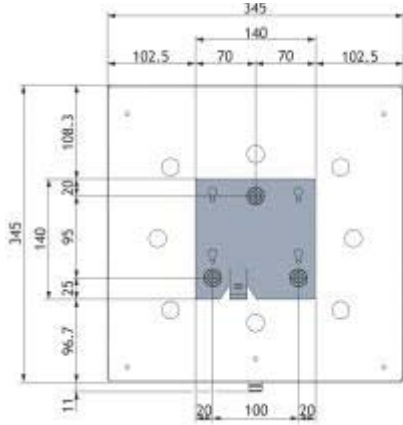
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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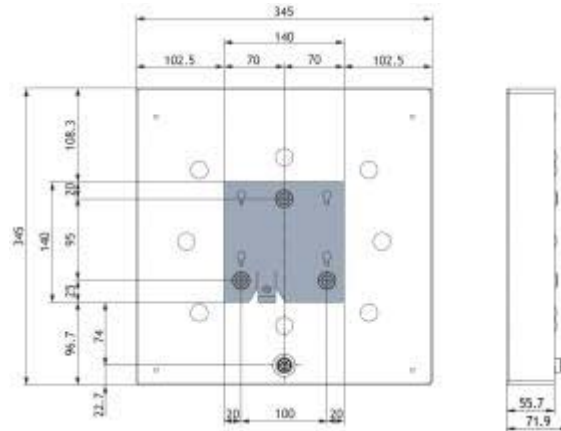
MOUNTING DETAILS SIDE CONNECTOR

Wall Mounting Bracket Included



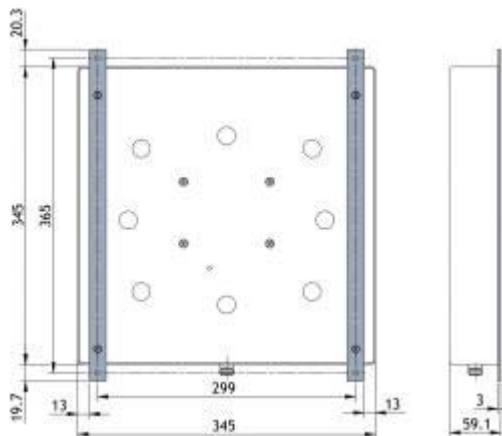
MOUNTING DETAILS BACK CONNECTOR

Wall Mounting Bracket Included

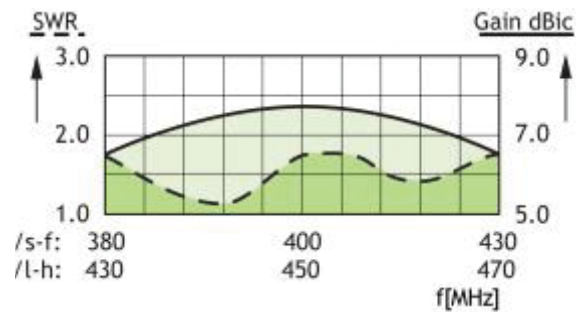


WALL MOUNTING BRACKET PATCH-WAMO

This kit is ordered separately

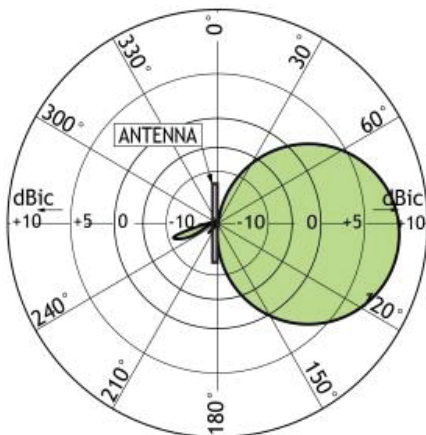


TYPICAL GAIN and SWR CURVES



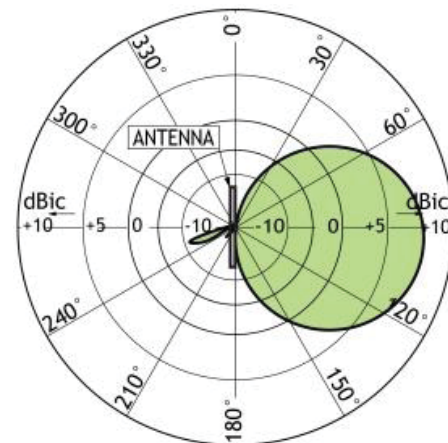
TYPICAL RADIATION PATTERN H-PLANE

This curve shows the radiation patterns in the horizontal plane



TYPICAL RADIATION PATTERN E-PLANE

This curve shows the radiation patterns in the vertical plane



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