

PCPI 70/xHCP/...

Indoor Left or Right Hand Circular Polarised Patch Antennas for mounting on Wall or Ceiling

DESCRIPTION

- Low profile antenne for the 450 MHz band.
- PCPI 70/xHCP/... is a **L**eft or **R**ight **H**and **C**ircular **P**olarised patch antenna for indoor use.
- Circular polarisation is chosen to avoid out-of-phase signals.
- Reduces flutter considerably.
- Specially designed for closed rooms.
- Covers approx. 20 MHz with a radiation of approx. 5 dBic 3 dBd.
- Full size $1/2 \lambda$ circular patch antennas.
- The antennas are carefully sealed with a discreet cover.
- The connector is placed at one side to enable mounting close to a wall or a ceiling.
- Chassis also available in stainless steel PCPI 70R/xHCP/... (see ordering designations below).



SPECIFICATIONS

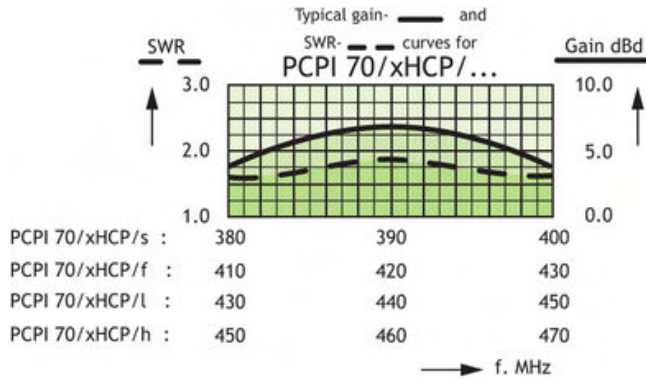
ELETRICAL	
MODEL	PCPI 70/xHCP/...
ANTENNA TYPE	Left or right hand circular polarised patch antenna
FREQUENCY	380 - 470 MHz covered by four models
IMPEDANCE	Nom. 50 Ω
POLARISATION	Circular
GAIN	Approx. 5 dBic 3 dBd ± 2 dB
BAND WIDTH	≥ 20 MHz @ SWR ≤ 1.8
HALF POWER BEAMWIDTH	Approx. 80° (H- and E-plane)
SWR	≤ 1.5 f.res.
MAX. POWER	100 W
MECHANICAL	
CONNECTOR	N-female
COLOUR	Marine white
MATERIALS	Cover: PS (white) Chassis: Aluminium
SIZE (L x W)	Approx. 415x415 mm
HEIGHT	Approx. 25 mm
WEIGHT	Approx. 1.8 kg
MOUNTING	For mounting on wall or ceiling $\varnothing 4.5 \times 20$ mm (4 holes)

STANDARD VERSION ORDERING DESIGNATIONS

TYPE NO.	FREQUENCY	TYPE NO.	FREQUENCY
PCPI 70/LHCP/s	380-400 MHz	PCPI 70/RHCP/s	380-400 MHz
PCPI 70/LHCP/f	410-430 MHz	PCPI 70/RHCP/f	410-430 MHz
PCPI 70/LHCP/l	430-450 MHz	PCPI 70/RHCP/l	430-450 MHz
PCPI 70/LHCP/h	450-470 MHz	PCPI 70/RHCP/h	450-470 MHz

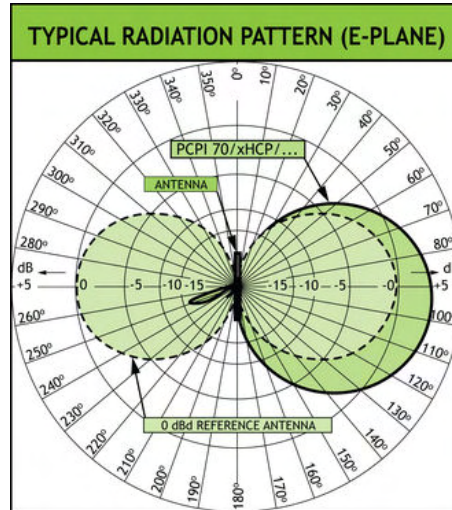
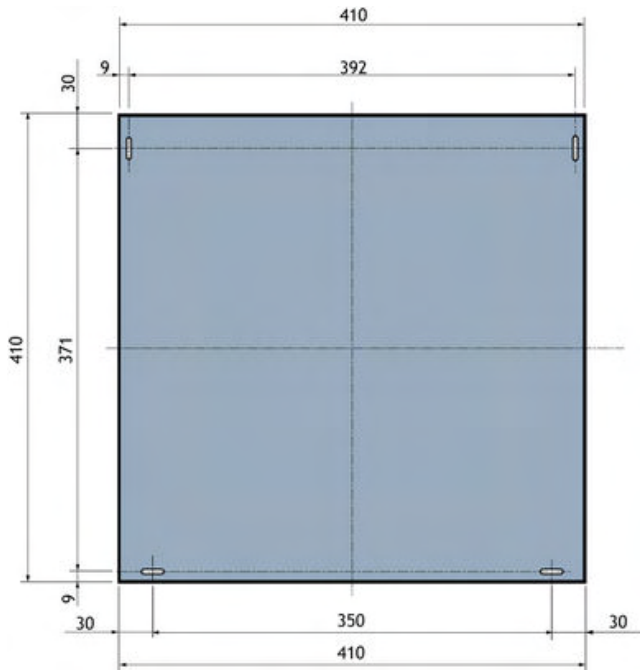
STAINLESS STEEL VERSION ORDERING DESIGNATIONS

TYPE NO.	FREQUENCY	TYPE NO.	FREQUENCY
PCPI 70R/LHCP/s	380 - 400 MHz	PCPI 70R/RHCP/s	380 - 400 MHz
PCPI 70R/LHCP/f	410 - 430 MHz	PCPI 70R/RHCP/f	410 - 430 MHz
PCPI 70R/LHCP/l	430 - 450 MHz	PCPI 70R/RHCP/l	430 - 450 MHz
PCPI 70R/LHCP/h	450 - 470 MHz	PCPI 70R/RHCP/h	450 - 470 MHz

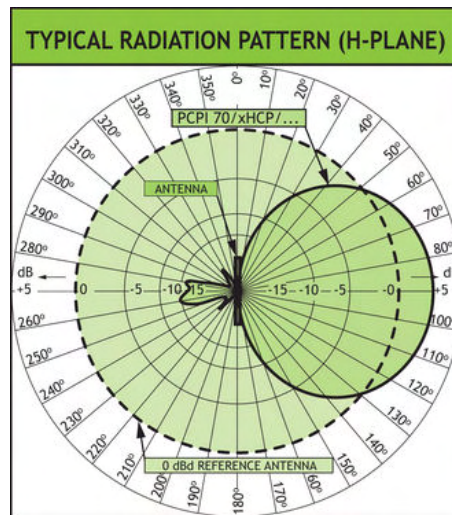


MOUNTING DETAILS

(Dimensions excl. cover)



This curve shows the radiation patterns in the vertical plane.



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



PROCOM A/S reserve the right to amend specifications without prior notice.

13/08/2009