

PCPI 70/xHCP/...

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



DESCRIPTION:

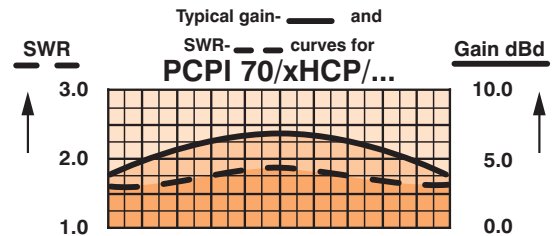
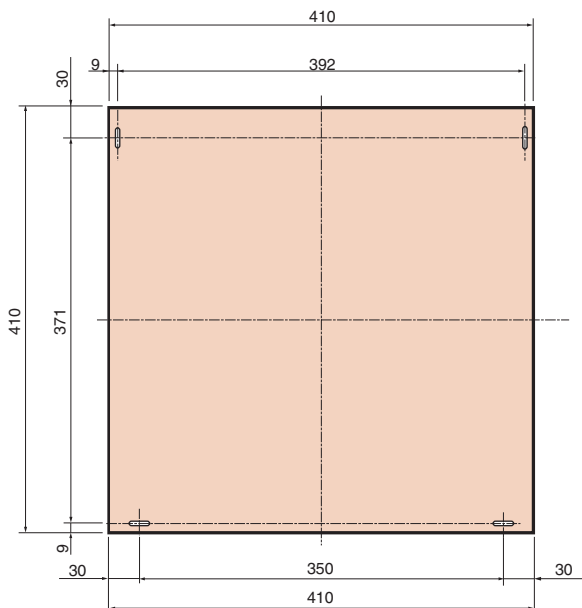
- ★ PCPI 70/xHCP/... is a **Left or Right Hand Circular Polarised** patch antenna for indoor use.
- ★ Circular polarisation is chosen to avoid out-of-phase signals.
- ★ Reduces flutter considerably.
- ★ Specially designed for closed rooms.
- ★ Covers approx. 20 MHz with a radiation of approx. 5 dBi 3 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.

SPECIFICATIONS:

ELECTRICAL	
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 dBi 3 dBd \pm 2 dB
BANDWIDTH	\geq 20 MHz at SWR \leq 1.8
HALF-POWER BEAMWIDTH	Approx. 80° (H- and E-plane)
SWR	\leq 1.5 f.res.
MAX. POWER	100 watt
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 ϕ 4.5x20 mm (4 holes)



MOUNTING DETAILS:



PCPI 70/xHCP/s :	380	390	400
PCPI 70/xHCP/f :	410	420	430
PCPI 70/xHCP/l :	430	440	450
PCPI 70/xHCP/h :	450	460	470

ORDERING DESIGNATIONS

TYPE NO.	FREQUENCY
PCPI 70/LHCP/s	380-406 MHz
PCPI 70/LHCP/f	410-430 MHz
PCPI 70/LHCP/l	430-450 MHz
PCPI 70/LHCP/h	450-470 MHz

ORDERING DESIGNATIONS

TYPE NO.	FREQUENCY
PCPI 70/RHCP/s	380-406 MHz
PCPI 70/RHCP/f	410-430 MHz
PCPI 70/RHCP/l	430-450 MHz
PCPI 70/RHCP/h	450-470 MHz

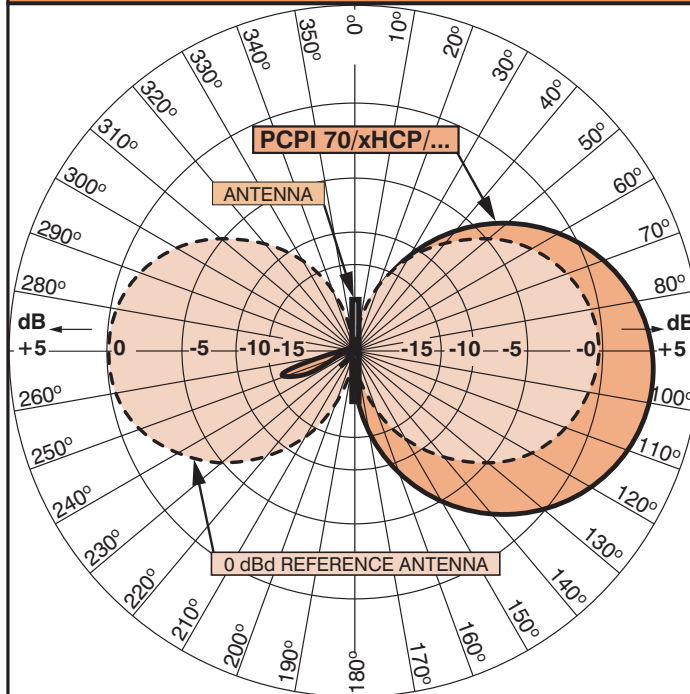
PROCOM A/S reserve the right to amend specifications without prior notice.

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Patch Antennas for mounting on Wall or Ceiling

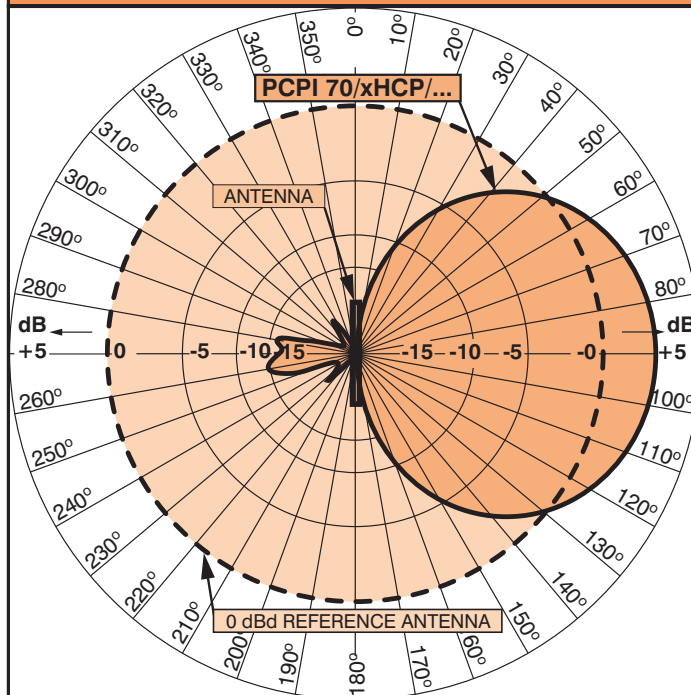


TYPICAL RADIATION PATTERN (E-PLANE)



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).