

PLPI/TETRA/...

Indoor Linearly Polarized Patch Antennas for mounting on Wall or Ceiling

DESCRIPTION

- Low-profile antenna for the 380 - 470 MHz band.
- PLPI/TETRA/... is a patch antenna for indoor use.
- Specially designed for closed rooms.
- Covers 50 MHz with a radiation of approx. 7 dBi.
- The antenna is carefully sealed with a discreet cover.
- The connector is placed at one side to enable mounting close to a wall or a ceiling.
- Including mounting bracket.



ORDERING DESIGNATIONS

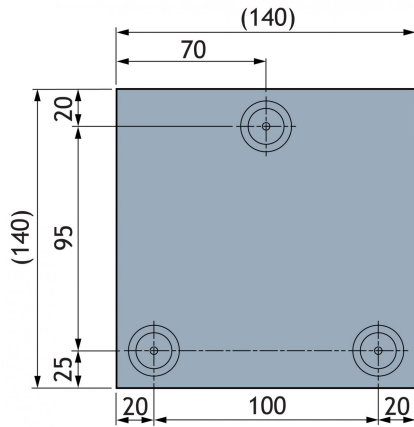
TYPE	PRODUCT NO.	FREQUENCY
PLPI/TETRA/s-f	100000423	380 - 430 MHz
PLPI/TETRA/l-h	100000445	430 - 470 MHz

SPECIFICATIONS

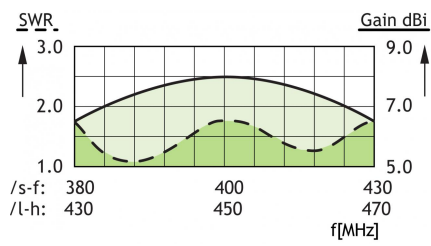
ELECTRICAL	
MODEL	PLPI/TETRA/...
ANTENNA TYPE	Linearly polarized patch antenna
FREQUENCY	380 - 470 MHz covered by two models
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Linear
GAIN	Approx. 7 dBi
BANDWIDTH	≥ 50 MHz @ SWR ≤ 2
HALF POWER BEAMWIDTH	Approx. 80° (H- and E-plane)
SWR	≤ 1.2 f.res.
MAX. POWER	100 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
COLOUR	Marine white
MATERIALS	Cover: ABS (white) Chassis: Aluminium
SIZE (L x W x H)	Approx. 340 x 340 x 60 mm
WEIGHT	Approx. 2.3 kg
MOUNTING	For mounting on wall or ceiling $\varnothing 5$ mm (three holes) (see mounting details)

MOUNTING DETAILS

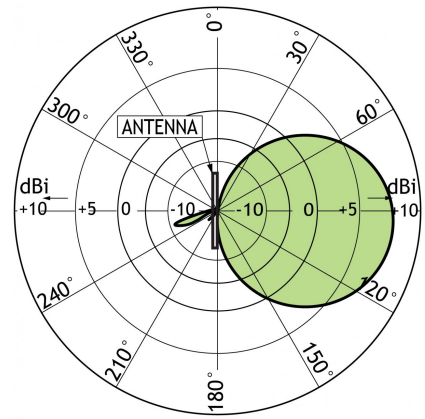
(Dimensions excl. cover)



TYPICAL GAIN AND SWR CURVES

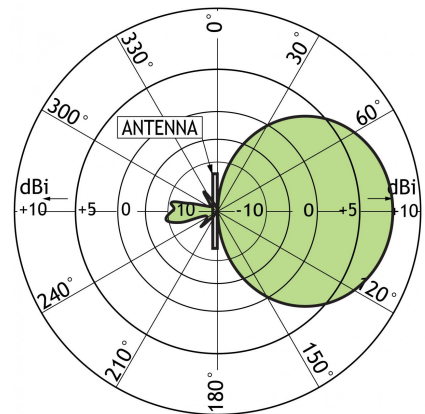


TYPICAL RADIATION PATTERN (E-PLANE)



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).



PROCOM A/S reserve the right to amend specifications without prior notice.
19/03/14