

Indoor Right Hand Circular Polarized Antenna for the 160 Mhz Band

DESCRIPTION

- Low profile antenna for the 160 MHz band.
- XCPI 160/RHCP is a Right Hand Circularly Polarized antenna for indoor use e.g. ceilings and walls inside ships and houses.
- Circularly polarization is chosen to avoid out-of-phase signals.
- Reduces flutter considerably.
- Specially designed for closed rooms.
- Covers 144 - 175 MHz with a radiation of approx. 2 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 a ceiling.



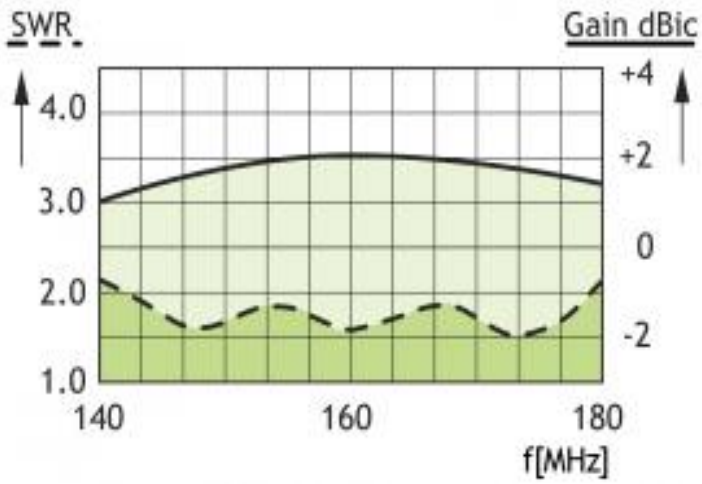
SPECIFICATIONS

Electrical	
Model	XCPI 160/RHCP
Frequency	144 - 175 MHz
Antenna Type	Right hand circularly polarized antenna
Max. Input Power	50 W
Polarisation	Circular
3 dB Beamwidth, E-Plane	60 °
3 dB Beamwidth, H-Plane	60 °
Impedance	50 Ω
Gain	2 dBic (0 dBd)
In iBwave	Yes
Mechanical	
Connection(s)	N(f)
Materials	Cover : PS (white) Chassis : Stainless steel
Colour	Marine white
Dimensions	Approx. 608 x 608 x 90 mm / 23.94 x 23.94 x 3.54 in.
Weight	Approx. 5.5 kg / 12.13 lb.
Mounting	5.5 mm dia. (4 holes) For optimum performance a groundplane of 1 x 1 m is required
Environmental	
Operating temperature range	-30 °C to +75 °C

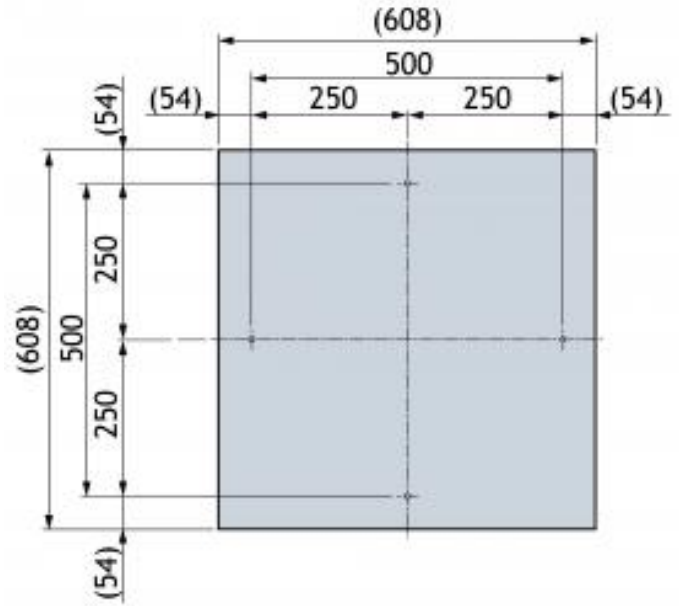
ORDERING

Model	Product No.
XCPI 160/RHCP	100000154

TYPICAL GAIN AND VSWR CURVE

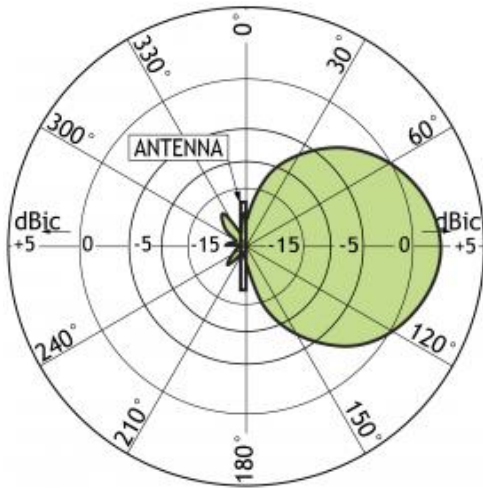


MOUNTING DETAILS (DIMENSIONS EXCL. COVER)



All dimensions are given in mm.

TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

