

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
Weight	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

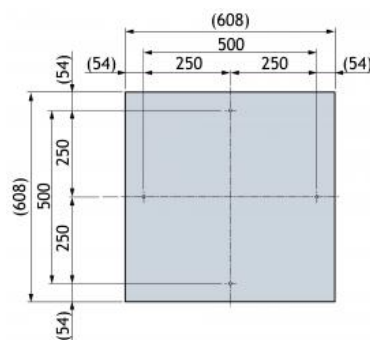
ORDERING

Type	Product No.
XCPI 160/RHCP	100000154

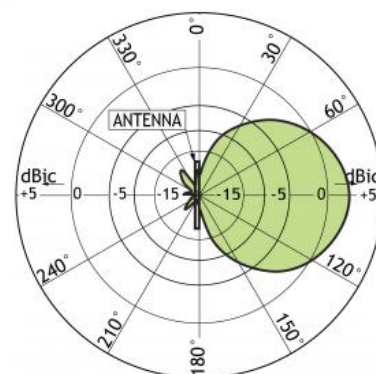


DIAGRAM

MOUNTING DETAILS (Dimensions excl. cover) TYPICAL GAIN AND SWR CURVES

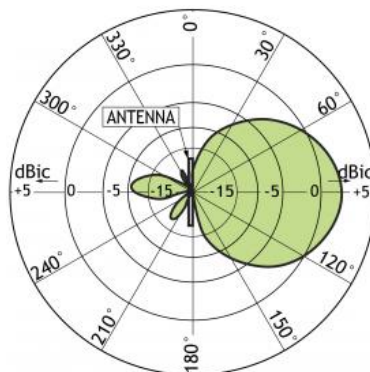


TYPICAL RADIATION PATTERN (E-PLANE)



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).