XCPI 160/RHCP

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.

SPECIFICATION

PRODUCT INFORMATION

Model	XCPI 160/RHCP
Last Revision	07/10/2026 07:09 AM

ELECTRICAL

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
Historic Brand	Amphenol Procom
Special Feature / Application	In iBwave
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

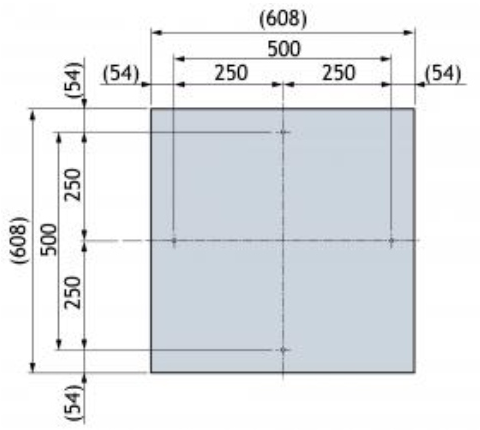
ENVIRONMENTAL	
Operating temperature range	-30 °C to +75 °C

ORDERING CODES

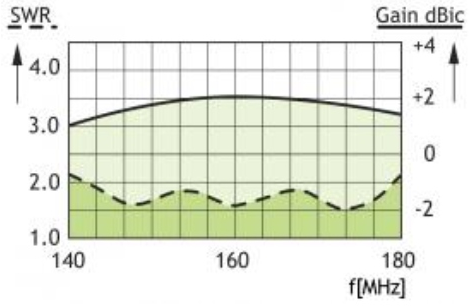
MODEL	PRODUCT NO.
Indoor Right Hand Circular Polarized Antenna for the 160 Mhz Band	100000154

DIAGRAMS

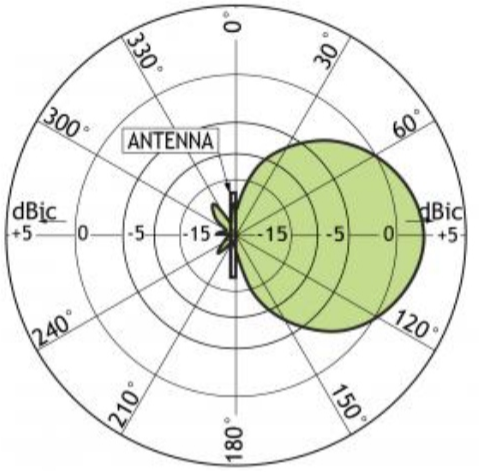
MOUNTING DETAILS (Dimensions excl. cover)



TYPICAL GAIN AND SWR CURVES

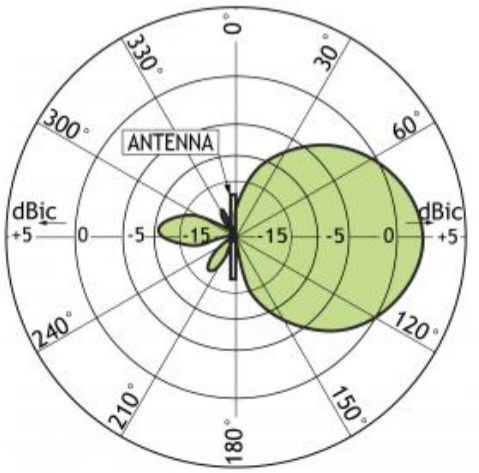


TYPICAL RADIATION PATTERN (E-PLANE)



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).