

Indoor Right Hand Circularly Polarized Antenna for the  
TETRA and LTE Bands

DESCRIPTION

- > Dual-band low-profile antenna for indoor use.
- > Right hand circularly polarized, 7 dBic antenna specially designed for closed rooms. For use e.g. on ceilings and walls inside ships and buildings.
- > Circular polarization is chosen to improve link quality.
- > Built-in diplexers with low insertion loss make it possible to have only one connector.



SPECIFICATIONS

Electrical	
Model	PCPI TETRA/LTE 800/RH
Frequency	TETRA: 380 - 430 MHz LTE: 790 - 850 MHz
Antenna Type	Right hand circularly polarized antenna
Max. Input Power	35 W
Polarisation	Circular
3 dB Beamwidth, E-Plane	60 °
3 dB Beamwidth, H-Plane	60 °
Impedance	50 Ω
Gain	7 dBic (5 dBd)
VSWR	< 2.0:1
In iBwave	Yes

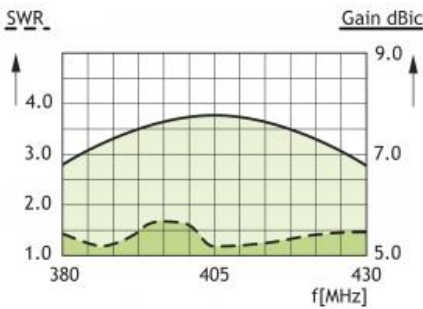
Mechanical	
Connection(s)	N(f)
Materials	Cover: PS (white) Chassis: Aluminium
Colour	Marine white
Dimensions	Approx. 415 x 415 x 70 mm / 16.34 x 16.34 x 2.76 in.
Weight	Approx. 1.9 kg / 4.19 lb.
Mounting	4.5 mm dia. (4 holes)

Environmental	
Operating Temperature Range	-30 °C to +75 °C

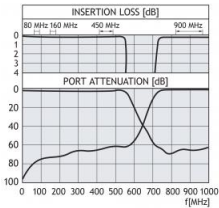
ORDERING

Model	Product No.
PCPI TETRA/LTE 800/RH	100000522

TYPICAL GAIN AND VSWR CURVE

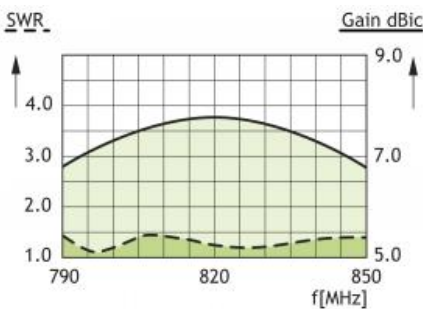


BUILT-IN DIPLEXER

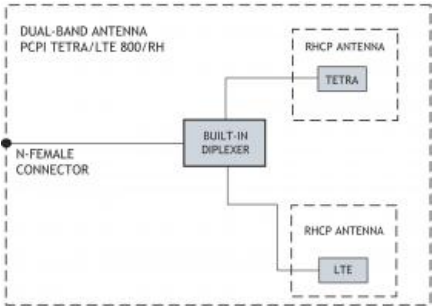


This curve shows the radiation patterns in the horizontal plane (horizontal coverage).

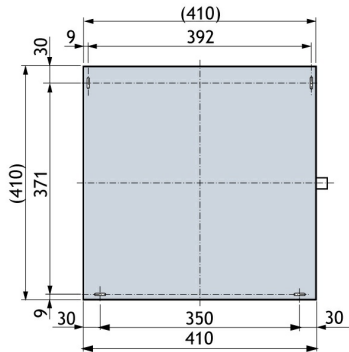
TYPICAL GAIN AND VSWR CURVE



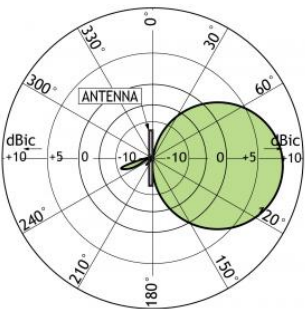
MOUNTING & PATTERN



MOUNTING DETAILS (DIMENSIONS EXCL. COVER)



TYPICAL RADIATION PATTERN (E-PLANE)



This curve shows the radiation patterns in the vertical plane.

TYPICAL RADIATION PATTERN (H-PLANE)

