

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.



ORDERING

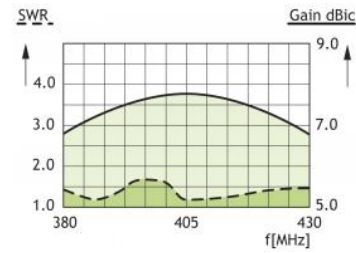
Model	Product No.
PCPI TETRA/LTE 800/RH	100000522

SPECIFICATIONS

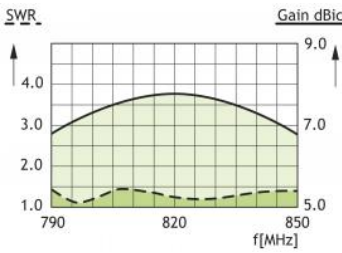
Electrical	
Model	PCPI TETRA/LTE 800/RH
Frequency	TETRA:380 - 430 MHz LTE:790 - 850 MHz
Antenna Type	Right hand circularly polarized antenna
Max. Input Power	35 W
Polarisation	Circular
3 dB Beamwidth, E-Plane	60 °
3 dB Beamwidth, H-Plane	60 °
Impedance	50 Ω
Gain	7 dBic (5 dBd)
VSWR	< 2.0:1
In iBwave	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"
Weight	1.9 kg / 4.19 lb
Mounting	4.5 mm dia. (4 holes)
Environmental	
Operating Temperature Range	-30°C to +75°C

DIAGRAM

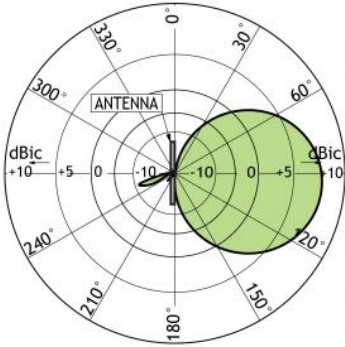
TYPICAL GAIN AND SWR CURVES



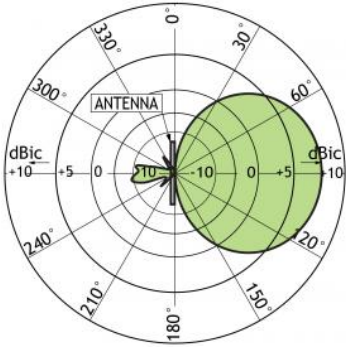
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)

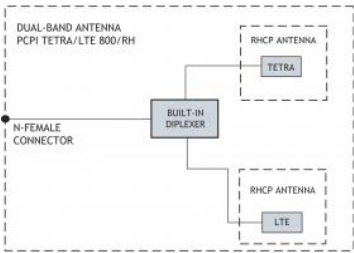


TYPICAL RADIATION PATTERN (H-PLANE)

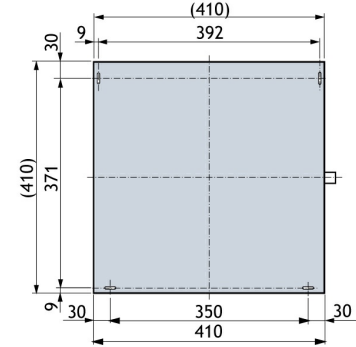


This curve shows the radiation patterns in the vertical plane.

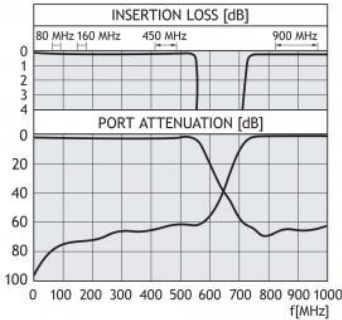
MOUNTING & PATTERN



MOUNTING DETAILS (DIMENSIONS EXCL. COVER)



BUILT-IN DIPLEXER



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