

DATASHEET LTE450/LMR/TETRA/P25

Smarteq™ LPCA 9 Low Profile Combination Antenna

LTE450/LMR/TETRA/P25/ISM

710460



Description

LPCA 9 is a rugged, low profile combination antenna.

Technologies

- LTE450
- TETRA
- LoRA
- ISM 433/444

Features

- 430-450 MHz with an extended range to 470 MHz
- Ground plane independent
- Rugged
- IP67
- Cable approved acc ECE-R118



Smarteq™ LPCA 9 Low Profile Combination Antenna

LTE450/LMR/TETRA/P25/ISM

The Smarteq™ LPCA 9 is a rugged, low profile combination antenna designed for use in telematics applications. The antenna is the perfect choice when the application needs reliable communications for e.g. buses, heavy vehicles, ambulances, forest machines and other M2M applications.

Features

- 430-450 MHz with an extended range to 470 MHz
- Ground plane independent
- Rugged
- IP67
- Cable approved acc ECE-R118

Applications

- Buses
- Heavy Vehicles
- Ambulances
- Forest Machines
- M2M

Certifications



SPECIFICATIONS

Smarteq™ LPCA 9 Low Profile Combination Antenna

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Standard Configurations

Part Numbers	Connector Type
710460	FME-f

Electrical Specifications – All Models

Frequency Ranges	430-450 MHz		450-470 MHz	
Gain	430 MHz	450 MHz	470 MHz	
	3.5 dBi on metal	5.5 dBi on metal	5.5 dBi on metal	
	4.5 dBi free space	6 dBi free space	7 dBi free space	
VSWR	<3:1	<1.8:1		<1.5:1
Nominal Impedance	50Ω			
Polarization	Vertical			
Radiation Pattern (Horizontal)	Omnidirectional			
Max. Power	20W			

Mechanical and Environmental Specifications – All Models

Dimensions	280 x 120 x 50mm
Installation	Hole mount, Ø19mm and 2 x Ø7mm Installation thickness ≤ 6mm
Connector	FME-f
Cable	RG316 0,6 m
Color	Black
IP class	IP67
Operating / Storage Temperature	-40°C to +85°C

CONTACT US

**For more information about
this product, contact your
sales representative or visit**

> pctel.com/antenna-products

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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