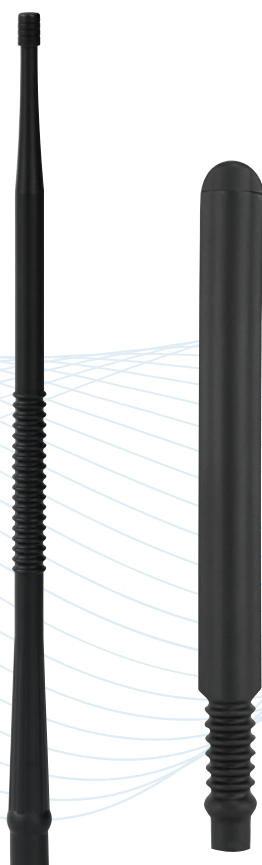


Heavy-Duty Flexible Antennas

Cellular Antennas (5G, LTE, CBRs, 3G, 2G) Antenna – Mobile

PCTP Series



Description

Rugged heavy-duty antenna with elevated feed point for vehicular installations.

Connectivity

- 2G/3G/4G/5G LTE Cellular
- WiFi 2.4-2.5 GHz

Features

- Maximum installation flexibility – Ground plane independent design
- Rugged – Heavy-duty, flexible radome design absorbs shock impact; UV-stable polyurethane housing withstands severe weather conditions
- High performance – Wideband coverage without added field tuning



PCTP/4GLTE

Heavy-Duty Flexible Antennas

Cellular Antennas (5G, LTE, CBRs, 3G, 2G) Antenna – Mobile

The PCTP series heavy duty mobile antennas feature a rugged, flexible design that provides long lasting performance and reliability under very extreme environmental conditions. They are particularly suited for vehicular installations exposed to extreme temperatures and high vibration conditions.

Features

- Maximum installation flexibility – Ground plane independent design
- Rugged – Heavy-duty, flexible radome design absorbs shock impact; UV-stable polyurethane housing withstands severe weather conditions
- High performance – Wideband coverage without added field tuning

Applications

Vehicular installations exposed to extreme temperatures and high vibration conditions:

- Construction trucks
- Agriculture tractors
- Mining vehicles

Certifications



Heavy-Duty Flexible Antennas

Cellular Antennas (5G, LTE, CBRs, 3G, 2G) Antenna – Mobile

Standard Configurations

Part Number	Connector	Mounting Method
PCTP430	TNC Plug (Male)	Direct mount only
PCTP450		
PCTP915		
PCTP2425		
PCTP/4GLTE		

Electrical Specifications – RF Antennas

Ports	Frequency Ranges (MHz)	Gain (dBi)	VSWR	Nominal Impedance	Max. Power	Polarization
PCTP430	430-450 MHz	Unity	< 2.5:1	50 ohms	5 watts	Vertical, linear
PCTP450	450-470 MHz	2 dBi	< 2.5:1			
PCTP915	902-928 MHz	2 dBi	< 2.0:1			
PCTP2425	2400-2500 MHz	5 dBi	< 2.0:1			
PCTP/4GLTE	698-960 MHz 1710-2700 MHz	0-2 dBi typical	< 2.5:1 typical			

Mechanical and Environmental Specifications

Part Number	Dimensions (L x OD)	Housing Material	Ingress Protection	Temperature Range
PCTP430	13 L x 0.62 OD in (330 x 15.74 mm)	Black, UV-stable polyurethane	IP67	-40°C to +85°C
PCTP450	13 L x 0.62 OD in (330 x 15.74 mm)			
PCTP915	13 L x 0.62 OD in (330 x 15.74 mm)			
PCTP2425	13 L x 0.62 OD in (330 x 15.74 mm)			
PCTP/4GLTE	11 L x 0.78 OD in (280 x 20 mm)			

CONTACT US

For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products

Solving Complex Wireless Challenges

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



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