

Heavy-Duty Flexible Antennas

The PCTP heavy-duty mobile antennas feature a rugged, flexible design that provides long lasting performance and reliability under very extreme environmental conditions.

Features

- Ground plane independent for reliable performance and added installation flexibility
- Heavy-duty, flexible radome design absorbs shock impact for applications requiring a ruggedized antenna solution
- Wideband coverage: ready to use without added field tuning
- UV-stable polyurethane housing withstands severe installation applications. This housing makes the antenna ideal for vehicular installations exposed to extreme temperatures and high vibration conditions, including construction trucks, agriculture tractors and and mining vehicles



STANDARD CONFIGURATION

Model	Connector	Mount
PCTP430	TNC Plug (Male)	Direct mount only
PCTP450	TNC Plug (Male)	Direct mount only
PCTP869	TNC Plug (Male)	Direct mount only
PCTP915	TNC Plug (Male)	Direct mount only
PCTP2425	TNC Plug (Male)	Direct mount only
PCTP/4GLTE	TNC Plug (Male)	Direct mount only

ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Gain	VSWR	Nominal Impedance	Maximum 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	50 ohms	5 watts	Vertical, linear
PCTP869	869.4-869.6 MHz	2 dBi	< 2.0:1	50 ohms	5 watts	Vertical, linear
PCTP915	902-928 MHz	2 dBi	< 2.0:1	50 ohms	5 watts	Vertical, linear
PCTP2425	2400-2500 MHz	5 dBi	< 2.0:1	50 ohms	5 watts	Vertical, linear
PCTP/4GLTE	698-960 MHz/1710-2700 MHz	0-2 dBi typical	< 2.5:1 typical	50 ohms	5 watts	Vertical, linear

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	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)	Black, UV-stable polyurethane	IP67	-40°C to +85°C
PCTP869	13 L x 0.62 OD in (330 x 15.74 mm)	Black, UV-stable polyurethane	IP67	-40°C to +85°C
PCTP915	13 L x 0.62 OD in (330 x 15.74 mm)	Black, UV-stable polyurethane	IP67	-40°C to +85°C
PCTP2425	13 L x 0.62 OD in (330 x 15.74 mm)	Black, UV-stable polyurethane	IP67	-40°C to +85°C
PCTP/4GLTE	11 L x 0.78 OD in (280 x 20 mm)	Black, UV-stable polyurethane	IP67	-40°C to +85°C