



GPSD4503P

Phantom Low Profile Dual Band - UHF/GPS, Roof Mount 450-470 MHz

The unique Phantom dual band UHF / GPS antenna is designed for heavy duty, high performance applications and operates at maximum effectiveness when mounted on a 10" diameter (min.) ground plane surface. A threaded permanent stud mount provides vandal resistant vehicle mounting. The Phantom can also permanently mount to brackets, panels or any other kind of housing with proper ground plane surface.

FEATURES AND BENEFITS

- High performance mobile antenna operates on a 10" diameter (min.) ground plane
- Designs cover low profile to pure performance mobile applications
- Easy installation with the roof mount permanently installed
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	450-470
VSWR -max	2:1
Peak Gain (dBi)	3
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Vertical Plane 3 dB Beamwidth Port 1 (o)	146
Horizontal Plane 3 dB Beamwidth Port 1 (o)	360

MECHANICAL SPECIFICATION

Dimensions - base diameter x height - cm (inches)	7.62 x 8.89 (3.0 x 3.5)
Radome Color	Black or white
Radome Material	ABS

ENVIRONMENTAL SPECIFICATION

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CABLE TYPE AND LENGTH	CONNECTOR
GPSD4501SP3-001	Dual Band Phantom 450-470 MHz & GPS, Roof Mount	Mini UHF Male/Radio, SMA Male/GPS

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

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