GPS/GNSS Combination Antenna

GPSK-TET



High performance combination antenna Active GPS/GNSS 30dB gain LNA 2dBi flexible gain whip 380-430MHz TETRA Single hole fixing

The GPSK-TET antenna range is a dual function, high performance TETRA antenna with an active GPS/GNSS module in the base.

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The TETRA whip covers 380MHz to 430Mhz, with 2dBi gain.

The GPSK base can be installed on a roof up to 6mm thick using only a single 15mm hole. An extender kit is available for thicker roofs.

The dual function of the Panorama GPSK range makes the antenna a popular choice for public safety, transportation and other public service & utility vehicles around the world.

This antenna can be provided with suitable extension coaxial cables as a 'plug & play' kit for all TETRA terminals.

Technical Drawing



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GPSK-TET 08/08/2023 V2 Page 1 Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

GPSK-TET Shown

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Product Data

Part No.			
		GPSK-TET	
Electrical Data			
Frequency Range (MHz)		380-430	
Gain: Isotropic		2dBi	
Compared to 1/4 wave		0dB	
Polarisation		Vertical	
Pattern		Omni-directional	
Impedance		50Ω	
Max Input Power (W)		25	
GPS Data			
Frequency Range (MHz)		1559 - 1612	
VSWR		<2.5:1	
Gain: LNA		30dB	
Polarisation		Right Hand Circular	
Operating Voltage		3 - 5V DC (fed via coax)	
Current		Typical <20mA	
Mechanical Data			
Dimensions (mm)	Whip Length	154 (6")	
	Base Height	18.5 (0.73")	
	Base Length	60 (2.4")	
	Base Width	50 (1.96")	
Operating Temp (°C)		-40° / +80°C(-40° / +176°F)	
Colour		Black	
Mounting Data			
Fixing / Hole Size (mm) Panel Mount / 15 (0.6")			
Cable Data		GPS/GNSS Cable C	omms Cable
Pigtail Cables	Туре	RG174	
	Diameter (mm)	2.8 (0.1")	
	Length (m)	0.3 (11.8")	
	Termination	FME socket (f)	ME plug (m)
		Typical VSWR*	
1.5	350 360 370	380 390 400 410 420 430 440 450 460 470 480 490 500mm (2' x 2') groundplane with 5m (16') of CS23 cable.	Electrical Data
Typical E-Plane (390MHz) Typical H-Plane (390MHz) Typical E Plane (GPS 1575MHz)			
Parorama Antennas Ltd values (contract) (con			
Frogmore, London, SW18 1HF, United Kingdom T: +44 (0)20 8877 444 F: +44 (0)20 8877 4477 E: sales@panorama-antennas.com W: www.panorama-antennas.com		GF3K-1E1 00/00/2023 V2	Waiver: The data given above is indicative of the performance of the product/s under particular does not imply a guarantee of performance. These specifications are subject to change without hotice. ght © Panorama Antennas Ltd. All rights reserved.