

# Tetra UHF Magnetic Mount Antenna

MD-[UHF]-5B



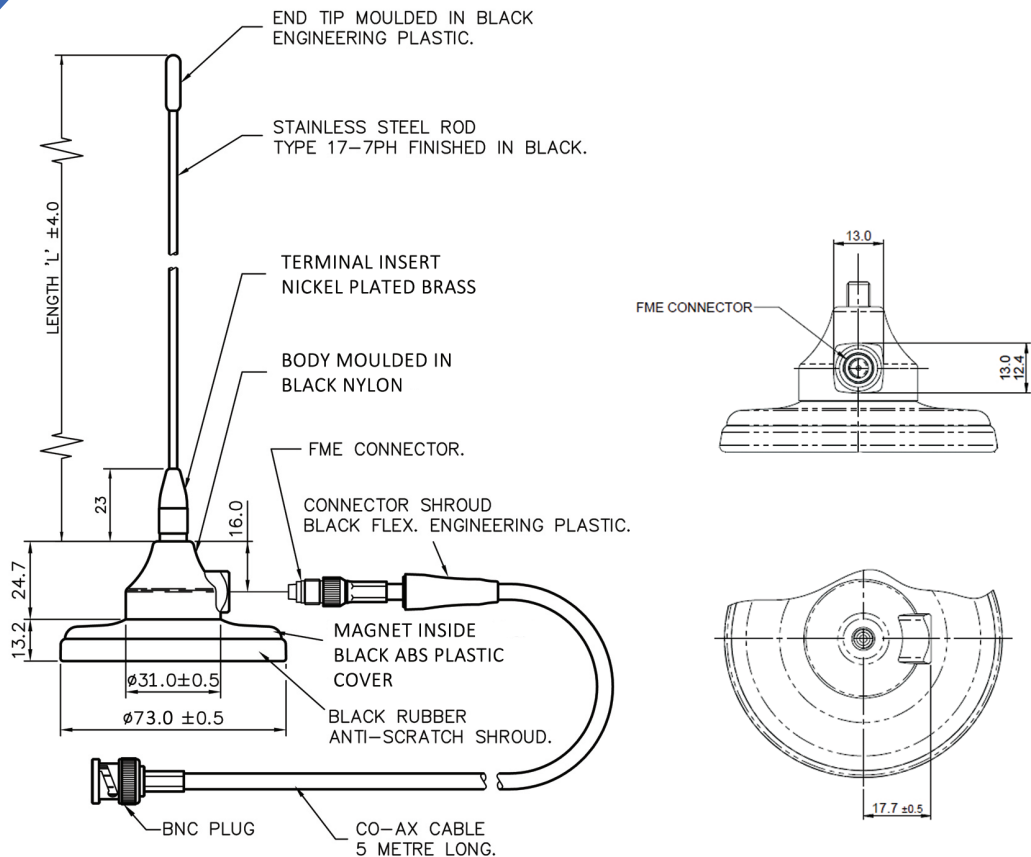
## MD-[UHF]-5B

- Temporary magnetic fit
- UHF Whip
- 5m (16') Low loss cable

The MD range of antennas is a popular choice for public safety and commercial vehicles that require a temporary mount antenna. The rugged magnetic base will retain the antenna to the roof or boot but leave no evidence that it was fitted, once repositioned or removed.

The MD-[UHF]-5B Series feature a high performance 1/4 wave UHF whip and a 5m (16') low loss extension cable with BNC (m) connector. The coaxial cable is detachable for simple replacement in the event of damage.

### Technical Drawing



# Tetra UHF Magnetic Mount Antenna

PANORAMA ANTENNAS

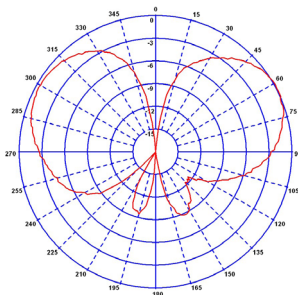
MD-[UHF]-5B

## Product Data

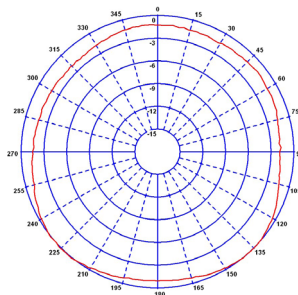
Part No.		MD-TET-5B	MD-S4-5B
<b>Electrical Data</b>			
Frequency Range		380-430MHz	450-470MHz
Operational Band		TET	S4
Gain: Isotropic		2dBi	
Compared to 1/4 wave		0dB	
VSWR*		1.5:1	
Polarization		Vertical	
Pattern		Omni-directional	
Impedance		50Ω	
Max Input Power (W)		50	
<b>Mechanical Data</b>			
Dimensions	Whip length	163mm (6.4")	137mm (5.4")
	Base height	44.4mm (1.75")	
	Base diameter	73 (2.9")	
Operating Temp		-40°/+80°C (-22°/176°F)	
Whip Material		Polyamide, ABS, Plated Brass	
Colour		Black	
<b>Mounting Data</b>			
Mounting type		Magnetic mount	
Recommended max speed (KMPH**)		220 (135 Mph)	
<b>Cable Data</b>			
Type		CS23 (RG 58 C/U)	
Width		5mm (0.2")	
Length		5m (16')	
Termination		BNC PLug	

\*VSWR measured on a 1x1m (3'x3') groundplane with 5m (16') cable

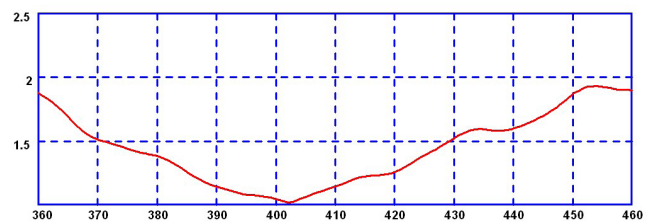
Typical E-Plane (390MHz)



Typical H-Plane (390MHz)



Typical VSWR\*



\*\* Recommended max speed is based on safe installation practice with a Panorama whip not exceeding the stated maximum length. A headwind of up to 30Kmph (19Mph) is allowed for in the stated value. Adverse weather conditions / heavy icing or poor installation may decrease magnetic retention. Spacing materials (other than the fitted rubber boot) should never be placed between the magnet and the mounting surface as this will significantly impact retention and may make this installation unsafe. Panorama advocates safe driving practices and adherence to the maximum speed limits in force locally for the user. Users are recommended to follow best practice and conduct sensible risk assessments before driving at very high speeds.