

Ground Plane Independent Panel Mount Antenna

02/08/2016 v2



Rugged design

Flexible whip

Ground plane independent

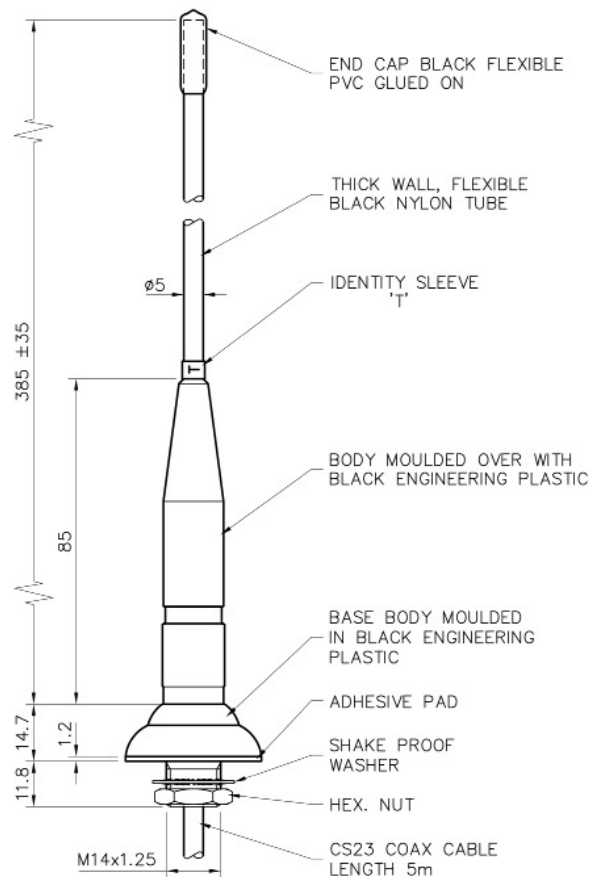
The HM range of antennas are ground plane independent and can therefore be mounted on any surface. The antenna is ideal for motorcycles, ambulances, fire trucks and other vehicles with non-conductive panels but can also be used on any other vehicles or at fixed sites.

The HM antenna range has a rugged design with a flexible nylon whip. The base is moulded in rigid nylon and mounted by way of an M14 mounting bush.

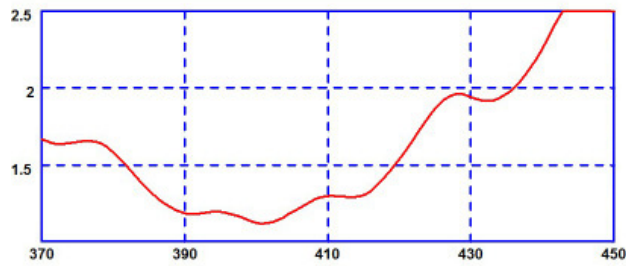
The HM mount (ML10) includes integrated low loss cable which comes in various lengths and with various terminations.

Technical Drawing

HM-TET Shown

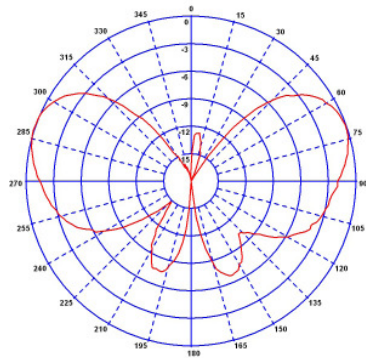


Typical VSWR*

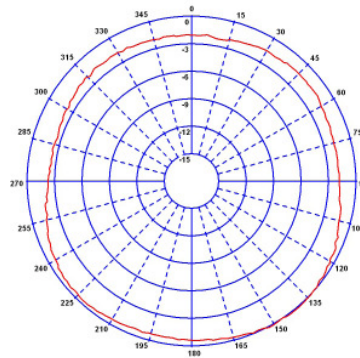


*HM-S1 Measured in free space with 5m (16') of CS23 (RG58 c/u) cable

Typical E-Plane (400MHz)



Typical H-Plane (400MHz)



Part No.		HM-TET	HM-S1	HM-S2	HM-433	HM-S4	HM-S5
Electrical Data							
Frequency Range (MHz)		380 - 430	380-400	410-430	433	450-470	806-870
Operational Band		TET	S1	S2	433MHz	S4	S5
Peak Gain: Isotropic				4dBi			
Compared to ¼ wave				2dB			
Typical VSWR				2:1			
Polarisation				Vertical			
Pattern				Omni-directional			
Impedance				50Ω			
Max Input Power (W)				10			
Mechanical Data							
Dimensions (mm)	Height	385 (15.2")	420 (16.53")	355 (13.97")	340 (13.38")	332 (13.07")	200 (7.87")
	Diameter	35 (1.37")					
Operating Temp (°C)				-30° / +80°C (-22° / 176°F)			
Material				Flexible + Rigid Polyamide			
Colour				Black			
Mounting Data							
Fixing				Panel mount			
Mounting hole size (mm)				15 (0.6")			
Cable Data							
Type				CS23 (RG58 C/U)			
Diameter (mm)				5 (0.2")			
Length (m)				5 (16')			
Termination				Bare end †			

†Other cable lengths and terminations available.



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