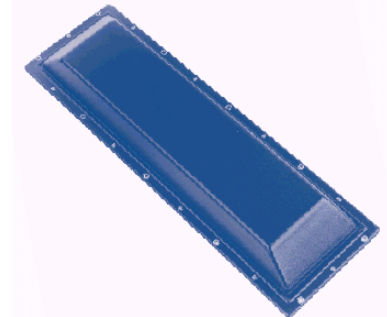


**MHAFMRX**  
**Low Profile Antenna**  
**87.5-108 MHz**



**Protected Antenna for Limited Height & High Vehicle Situations**  
**Omnidirectional**  
**Full FM Band Receive Only**  
**High Impact ABS Cover**



Type MHAFMRx is low profile receive only vehicle antenna covering the full FM band. The antenna is designed for use on vehicles operating under severe height limitations such as buses, trains, trams, trucks etc. Radiation is omnidirectional and the antenna is vertically polarised. The radiating element is enclosed in a tough ABS moulding with an aluminium base plate. Type MHAFMRx is supplied as a fully assembled, sealed unit ready for fitting directly to the mounting surface.

<b>ELECTRICAL SPECIFICATIONS</b>	
<b>Frequency Range:</b>	87.5-108 MHz
<b>Gain (Rel. <math>\lambda</math>4antenna):</b>	Unity
<b>Polarisation</b>	Vertical
<b>E-Plane Beamwidth (-3dB)</b>	As for $\lambda$ 4antenna
<b>H-Plane Beamwidth (-3dB)</b>	Circular within +/- 0.5dB (using groundplane $\lambda$ 2 square)
<b>Power Rating:</b>	100 Watts
<b>Impedance:</b>	50 ohms
<b>Feeder Tail:</b>	50mm URM76
<b>MECHANICAL SPECIFICATIONS</b>	
<b>Termination:</b>	BNC Socket
<b>Dimensions (LxWxH)</b>	635mm x 190mm x 150mm
<b>Weight:</b>	1.4 kg
<b>Baseplate Fixing:</b>	Screw or Rivet
<b>MATERIALS</b>	
<b>Cover</b>	Black ABS, UV Stabilised
<b>Baseplate</b>	Aluminium (14swg)

\*\* For other frequencies contact Sigma Wireless Technologies.  
 Optimum performance is achieved when the antennas is fitted to a metallic groundplane or roof  $\lambda$ 2 square