

## 4009-900-01 UHF VEHICLE DIPOLE ANTENNA



### APPLICATION

The UHF vehicle dipole antenna is designed to be mounted on a number of different military vehicle platforms, masts or other stationary applications. It is rugged and able to withstand a wide range of conditions and environments. The antenna is a single piece glass-fibre construction.

### EQUIPMENT

Equipment	Drawing Number
<b>Antenna Base</b>	4009-104-01
<b>UHF Vehicle Dipole</b>	4009-107-01
<b>24mm Mast Adaptor</b>	4030-104-01

### TECHNICAL SPECIFICATION

ELECTRICAL SPECIFICATION	
	The specifications in this section apply when the antenna is wing mounted on a Land Rover ¾ Ton Defender Series
<b>Frequency range</b>	225 - 450 MHz
<b>Power rating</b>	50W
<b>Connections</b>	N-type female
<b>Input impedance</b>	50Ω
<b>VSWR</b>	≤2.6:1
<b>Pattern</b>	Omni-directional when mounted at the centre of a circular counterpoise
<b>Polarisation</b>	Linear vertical
MECHANICAL SPECIFICATION	
<b>Design</b>	Single element fibreglass design
<b>Height</b>	Overall height with base - 875mm
<b>Weight</b>	2.8kg Base: 1.8kg Element: 2.6kg Mast Adaptor: 0.6kg
<b>Finish</b>	The antenna base is a robust High-pressure Moulded Composite (HMC) moulding. The antenna is a single piece, glass fibre design
<b>Optional</b>	Standard supply is the adaptor 24mm – if not required please specify on order
ENVIRONMENTAL SPECIFICATION	
	This product has been fully tested to meet Military environmental conditions of DEF STAN 00-35

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Racal reserve the right to vary in detail from the description and specification in this publication. Issue: 08/03