

Antenna Characteristics

4009-900-01 UHF BROADBAND VEHICLE ANTENNA 225-450MHZ

- UHF CENTRE FED
- RUGGED CONSTRUCTION
- BROADBAND, NO TUNING
- GROUND INDEPENDENT

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 constructed from GRP which is able to withstand a wide range of conditions and environments. The antenna can be elevated with a suitable mast adaptor for improved performance.

EQUIPMENT

Equipment	Drawing Number
Antenna Base	4009-104-01
UHF Vehicle Dipole	4009-107-01
24mm Mast Adaptor	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	
Frequency range	225 - 450 MHz
Power rating	50W
Connections	N-type female
Input impedance	50Ω
VSWR	≤2.6:1
Pattern	Omni-directional when mounted at the centre of a circular counterpoise
Polarisation	Linear vertical
MECHANICAL SPECIFICATION	
Design	Single element fibreglass design
Height	Overall height with base - 875mm
Weight	2.8kg Base: 1.8kg Element: 2.6kg Mast Adaptor: 0.6kg
Finish	The antenna base is a robust High-pressure Moulded Composite (HMC) moulding. The antenna is a single piece, glass fibre design
Optional	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	



Elevated with Mast Adaptor
4030-104-01