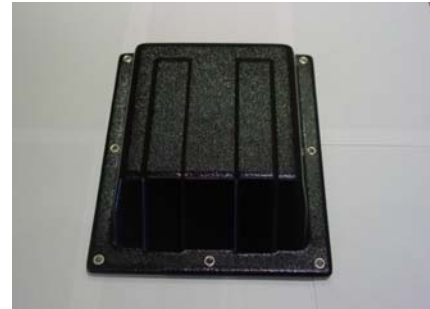


LP4 Low Profile Antenna 380-430 MHz



- DPMR Applications**
- GPS Option**
- Protected Antenna for Limited Height & High Vehicle Situations**
- Omnidirectional**
- Field Tuning Not Required**
- High Impact ABS Cover**
- Suitable for High Pressure Vehicle Washing**



Type LP4 Low Profile 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. Type LP4 has unity gain over the frequency band. The radiating element is enclosed in a tough ABS moulding with an aluminium base plate.

Type LP4 is supplied as a fully assembled, sealed unit ready for fitting directly to the mounting surface. No field tuning is required after installation. An active GPS antenna with a separate feeder is incorporated in the antenna.

ELECTRICAL SPECIFICATIONS		GPS
Frequency Range	380 - 430 MHz	1575.42 MHz
Frequency Bands	380-400 MHz & 410-430 MHz	
Bandwidth	20 MHz	2 MHz min
Gain (Rel. λ 4antenna)	Unity	25 dB min
Axial Ratio	N/A	3dB Max
VSWR	1.5:1 (380-390 MHz & 410-420 MHz)	2.0 Max
Polarisation	Vertical	R.H.C.P (Right Handed Circular Polarisation)
E-Plane Beamwidth (-3dB)	As for quarter-wave antenna	
H-Plane Beamwidth (-3dB)	Circular +/- 0.5 dB (with half-wave square groundplane)	
Noise Figure		2.5 Max
Power Rating	100 watts	
Impedance	50 ohms	50 ohms
Termination	BNC Plug	SMB Plug
Feeder Tail	1 metre URM76	1 metre RG174/U
MECHANICAL SPECIFICATIONS		
Dimensions (L x W x H)	270mm x 210mm x 50mm	
Weight	0.9 kg	
Baseplate Fixing	Screw or rivet	
MATERIALS		
Cover	ABS Black UV stabilised	
Baseplate		
STANDARD MODELS		
380-400 MHz	LP4390	
380-400 MHz + GPS 1575.42	LP4390GP	
410-430 MHz	LP4420	
410-430 MHz + GPS 1575.42	LP4420GP	

LP4 Low Profile Antenna 380-430 MHz



The LP4 Low Profile Antenna **Plus** The Additional Options Available...

The antenna is a low profile antenna in a new LP4 radome. The following model options will be available.

Product Code	Frequency
LP4390	380 - 400 MHz
LP4390GS	380 - 400 MHz + GSM
LP4390GP	380 - 400 MHz + GPS
LP4390GSGP	380 - 400 MHz + GSM + GPS
LP4390GPWL	380 - 400 MHz + GPS + WLAN
LP4390GSDC	380 - 400 MHz + GSM + DCS
LP4420	410 - 430 MHz
LP4420GS	410 - 430 MHz + GSM
LP4420GP	410 - 430 MHz + GPS
LP4420GSGP	410 - 430 MHz + GSM + GPS
LP4420GPWL	410 - 430 MHz + GPS + WLAN
LP4420GSDC	410 - 430 MHz + GSM + DCS