



## SWT-LP Low Profile Antennas, 156-225 MHz

Type LP microstrip antennas feature a low profile design especially useful for high vehicles where clearance of obstacles is a problem. The antenna incorporates a trimmer to facilitate tuning over the frequency range 138-225MHz. Radiation is omnidirectional and the antenna is vertically polarized.

### Features

- Protected antenna for limited height and high vehicle situations
- Omnidirectional
- Wide bandwidth
- Suitable for high pressure vehicle washing



# SWT-LP

### Antenna Electrical Specifications

Model	Frequency	Bandwidth	E-Plane Beamwidth	H-Plane Beamwidth	Gain (Rel. $\lambda/4$ antenna)
LP170	156-175 MHz	2-3 MHz	-3 dB	-3 dB	Unity @ 155 MHz upwards
LP200	175-225 MHz	2-3 MHz	-3 dB	-3 dB	Unity @ 155 MHz upwards
LP170V2	159.025-163.525 MHz	2-3 MHz	-3 dB	-3 dB	Unity
LP200V10	188 MHz	2-3 MHz	-3 dB	-3 dB	Unity

### Mechanical Specifications

Model	Feeder Length	Dimensions (Dia x H)	Weight (Mass)	Connector
LP150	1.5 M	20.1" x 1.5" (510mm x 38mm)	2.5 kg	BNC Plug
LP170	1.5 M	20.1" x 1.5" (510mm x 38mm)	2.5 kg	BNC Plug
LP200	1.5 M	20.1" x 1.5" (510mm x 38mm)	2.5 kg	BNC Plug
LP170V2	5 M	20.1" x 1.5" (510mm x 38mm)	2.5 kg	BNC Plug
LP200V10	12 M	20.1" x 1.5" (510mm x 38mm)	2.5 kg	No Connector

## MAXRAD

### Technical Data

<b>Maximum Power:</b> 50 watts
<b>Polarization:</b> Vertical
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> 1.5:1 Typical
<b>Radome Housing:</b> White high impact plastic
<b>Feeder Tail:</b> 1m coaxial cable
<b>Mounting Method:</b> Screw or Rivet 476 mm PCD