

**VLP
Low Profile Antenna
Orbcomm, GSM & GPS**



**25mm Height Protected Antenna
Triband VHF, GSM and GPS
Omnidirectional
Field Tuning Not Required
Suitable for High Pressure Vehicle Washing**



Type VLP3 low profile antenna is specially developed for Orbcomm applications in situations where conventional antennas are impractical due to height restrictions. The antenna is suitable for use on containers, trains and wagons. The tri-band antenna can also be connected for GSM and GPS use via the appropriate connector on the antenna. Full operating bandwidth is achieved and no field tuning is required after installation. Gain and bandwidth are remarkable for an antenna of such low height.

ELECTRICAL SPECIFICATIONS	Orbcomm	GSM	GPS
Frequency Range	Rx 137-138 MHz Tx 148-15.05 MHz	870-960 MHz	Rx 1575.42+/- 10MHz
Gain	Rx -2.5dBi Tx 0.5dBi	Unity	-4dBi @90° -2dBi @10°
Impedance	50Ω	50Ω	50Ω
VSWR (Return loss)Typical :	Rx 3.5:1 Tx 3.5:1	RX 3.5:1 Tx 2.0:1	2.5:1
Polarisation		Vertical	Vertical Hemispherical
Power Rating	10 Watts	10 Watts	10 Watts
MECHANICAL SPECIFICATIONS			
Dimension (LxWxH):	473 x 464 x25 mm		
Weight	2.5 Kg		
MATERIALS			
Base Plate	Aluminium Alloy		
Radome	Grey UV Stabilised ABS		
STANDARD MODELS			
VLP	Orbcomm		
VLP2/S	Orbcomm + GPS - BNC plug(orbcomm) + SMB plug (GPS)		
VLP2/P	Orbcomm + GPS - BNC plug(orbcomm) + GTS plug (GPS)		
VLP3/S	Orbcomm + GSM + GPS - BNC plug(orbcomm) + SMB plug (GPS)		
VLP3/P	Orbcomm + GSM + GPS - BNC plug(orbcomm) +GTS plug (GPS)		

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