











# Heavy Duty Multifunction Antenna

-  TETRA UHF
-  Public Safety
-  GPS
-  Omni Directional
-  ROHS Compliant
-  Vehicle Mount
-  GPRS
-  UMTS
-  WIFI
-  WiMax



## GPSB

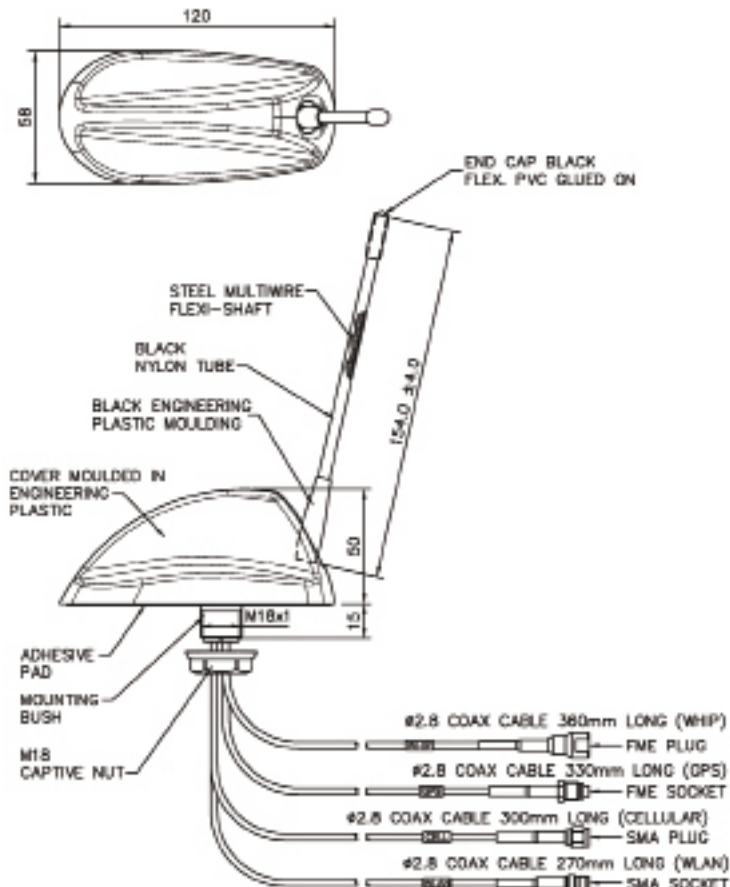
Four elements in one sleek housing  
 TETRA, GPS, Multiband GSM, 3G UMTS & WLAN in one antenna  
 Heavy duty design for any UHF or VHF whip

The heavy duty GPSB antenna series combines four different antennas in a sleek mounting. Only a single hole is required to mount the antenna, making this a far quicker and easier solution than using four different antennas.

The versatility of the antenna makes it ideal for logistics and asset tracking. The external UHF or VHF whip can be used as a simple two-way radio link with a hub, the 3G UMTS antenna or GPRS antenna can be used for data feeds and mobile phone calls, the GPS antenna can be used for navigation and vehicle tracking, whilst the WLAN antennas can download data back at the depot.

Four complicated functions in just one rugged antenna.

### Technical Drawing





<b>Part No.</b>		
GPSB1-TET		
<b>Electrical Data</b>		
Frequency Range (MHz)	380-430, 890-960, 1710-1880, 1850-1990, 1900-2170, 2400-2470 & 5400-5800	
Operational Band	TET, GSM900, GSM1800, PCS1900, 3G UMTS, 2.4GHz WLAN, 5.4GHz WLAN	
Gain: Isotropic	2dBi (on all bands)	
Compared to ¼ wave	0dB (on all bands)	
Polarisation	Vertical	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	25	
<b>GPS Data</b>		
Frequency Range (MHz)	1575	
VSWR	<1.5:1 ± 4MHz	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating Voltage	3-7V DC (fed via coax)	
Current	Typical 14mA	
<b>Mechanical Data</b>		
Dimensions (mm)	Total Height	157.5
	Height of Base	50
	Length	120
	Width	58
Operating Temp (°C)	-40° / +80°C	
Material	Engineering plastic	
Colour	Black	
<b>Cable Data</b>		
Cable Type	TETRA	RG316
	GPS	RG316
	Cellular	RG316
	WLAN	RG316
Thickness	TETRA	2.8
	GPS	2.8
	Cellular	2.8
	WLAN	2.8
Length (m)	TETRA	0.36
	GPS	0.33
	Cellular	0.30
	WLAN	0.27
Termination	TETRA	FME plug
	GPS	FME socket
	Cellular	SMA plug
	WLAN	SMA socket