

# 12-136

# CHELTON

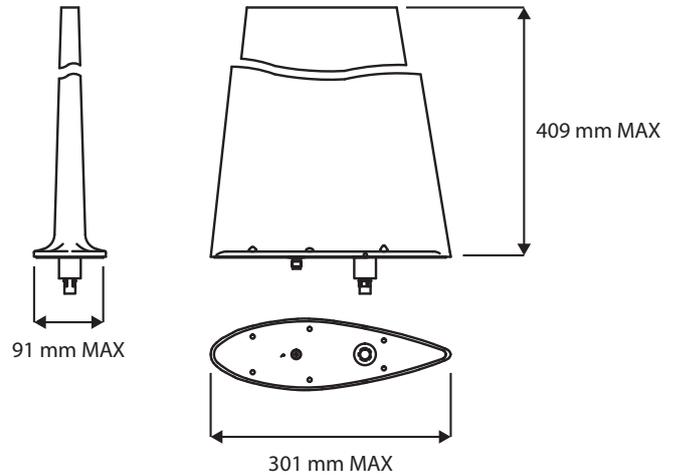
## Tuneable Blade Antenna

### Key features:

- Tuneable Blade
- Height 409mm (16.1 inches)
- Gain at 30MHz > -12 dBi

The 12-136 is a tuneable blade antenna designed to operate over the airborneV/ UHF communications band 30-400MHz.

It is suitable for use with compatible Logic Control Units, such as Chelton Type 7-151/7 and 7-171/7.



### ELECTRICAL

<b>Impedance</b>	50 $\Omega$	
<b>VSWR</b>	30 - 88 MHz:	<2.5:1
	88 - 118MHz:	<3.0:1 (MOD1 only)
	108 - 118 MHz:	<3.0:1
	118 - 174 MHz:	<2.5:1
	225 - 400 MHz:	<2.5:1
<b>Gain</b>	30 MHz:	-12 dBi
	45MHz:	-8dBi
	88 MHz:	-5 dBi
	108 - 174 MHz:	0 dBi avg
	225 - 400 MHz:	0 dBi avg
<b>Polarisation</b>	Vertical	
<b>Radiation</b>	Omnidirectional	

### MECHANICAL

<b>Dimensions (LxWxH)</b>	301 x 91 x 409 mm
<b>Weight</b>	2 kg
<b>Connector</b>	TNC Female
<b>Platform(s)</b>	Air

### ENVIRONMENTAL

<b>Standard</b>	MIL-STD-810E
<b>Continuous Operating Temperature</b>	- 54°C Min + 70°C Max
<b>Altitude</b>	25000 ft
<b>Vibration</b>	Vibration MIL-STD-810E, Method 514.4, Proc I, Cat 6

