

# Standard Antenna 315 -915MHz

A range of high quality antennae designed and manufactured for operation specifically with Low power short range telemetry systems. Using one of the following antennae will give optimum range and reliability to your application.

## $\frac{1}{4}$ Wave Flexible Antenna

- Standard  $\frac{1}{4}$  Wavelength **Whip** Antenna
- Rugged Plastic Finish. Flexible Antenna
- Available as BNC, SMA-Plug, M4 Screw Fixing
- Available as Straight or Right Angle



## Helical Antenna

- $\frac{1}{4}$  Wavelength **Helical** Antenna
- Rugged Plastic Finish, Flexible Antenna
- Available As BNC, M4 Screw Fixing



## Compressed Helical Antenna

- $\frac{1}{4}$  Wavelength **Helical** Antenna
- Rugged Plastic Finish, Flexible Antenna
- Available As M4 Screw Fixing

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### +3db GAIN ANTENNA

- +3db GAIN  $\frac{5}{8}$  Wavelength Whip Antenna
- Integral Wall Mounting Bracket
- Supplied With 2 Metres Coax Cable & BNC (50 $\Omega$ )

Note: In Order To Comply With The UK DTI Regulations, A Gain Antenna Must Not Be Used On Any Transmitting Device.



### Puk Antenna

- Panel Mounting **Puk** Antenna
- Rugged Plastic Finish
- Available with BNC, SMA Fixings



# Standard Antenna 315 -915MHz

## 1/4 Wave Whip Antenna Dimensions (mm)

	SMA		M4		BNC		BNC 90°	
	Length	Dia	Length	Dia	Dia	Length	Dia	Length
315MHz	*	*	231	18	13	250		
433MHz	165	14	160.5	17	13	172	*	*
458MHz	-	-	-	16	-	164		
868MHz	79	14	-	17.5	-	81		
916MHz	-	-	83	-	13	-		

## Helical / Compressed Helical / Gain Antenna Dimensions (mm)

	Helical M4		Helical 4BA		Helical BNC		Comp. Helical M4		Gain	
	Length	Dia	Length	Dia	Length	Dia	Length	Dia	Length	Dia
173MHz	-	-	*	*	-	-	-	-	*	*
315MHz	-	-	72	13	105	17	-	-	*	*
433MHz	55	14	55.5	13	84	17	43	13	490	14
458MHz	-	-	-	-	81	17	-	-	-	-
868MHz	-	-	-	-	-	-	-	-	-	-
916MHz	-	-	83	13	*	*	-	-	-	-

## Puk Antenna Dimensions (mm)

	Puk		
	Height	Dia	Cable Length
433MHz	52	47	500



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## Part Numbers

<sup>1</sup> / <sub>4</sub> Wave Whip					
Fixing	315MHz	433MHz	458MHz	868MHz	915Hz
<b>SMA-P</b>	-	FLEXI-SMA-433	-	FLEXI-SMA-868	-
<b>M4</b>	-	FLEXI-M4-433	-	FLEXI-M4-868	-
<b>4BA</b>	FLEXI-4BA-315	FLEXI-4BA-433	-	-	FLEXI-4BA-916
<b>BNC</b>	-	FLEXI-BNC-433	FLEXI-BNC-458	FLEXI-BNC-868	-
<b>BNC 90°</b>		FLEXI-BNC90-433			-

Helical					
Fixing	173MHz	315MHz	433MHz	458MHz	915Hz
<b>M4</b>	-	-	PU-M4-433	-	-
<b>4BA</b>	PH-4BA-173	PU-4BA-315	PU-4BA-433	-	PU-4BA-916
<b>BNC</b>	-	PU-BNC-315	PU-BNC-433	PU-BNC-458	-

Compressed Helical					
Fixing	173MHz	433MHz	458MHz	868MHz	915Hz
<b>M4</b>	-	PHC-M4-433	-	-	-

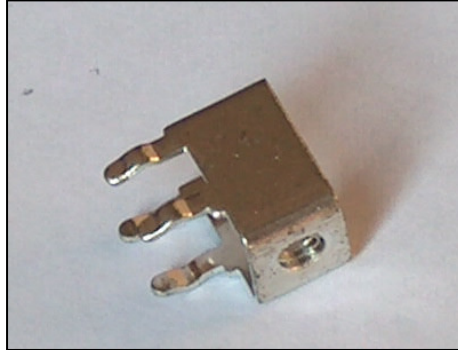
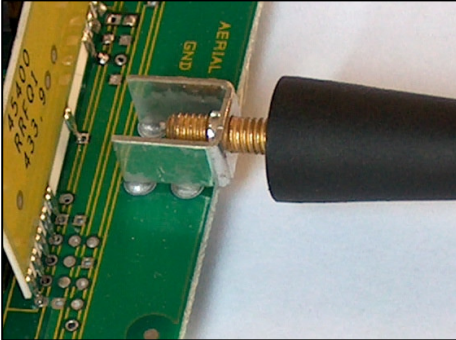
Gain Antenna					
Fixing	173MHz	433MHz	458MHz	868MHz	915Hz
<b>Mag Mount</b>	SR150M/TS	ANT-433-WHP3-MAG	-	-	-
<b>Wall Mounting Bracket (incl)</b>	-	MB450-RFS433	-	-	-

Puk Antenna	
Fixing	433MHz
<b>BNC</b>	ANTPUK1-433
<b>SMA</b>	ANTPUK1-433-SMA

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## SCTM4RA

The SCRTM4RA is a PCB mounting terminal providing a simple method of attaching a low cost 4mm Screw thread antenna to a PCB.



## PCB Layout

