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.

1/4 Wave Flexible Antenna

- Standard 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

- 1/4 Wavelength **Helical** Antenna
- Rugged Plastic Finish, Flexible Antenna
- Available As BNC, M4 Screw Fixing



Compressed Helical Antenna

- 1/4 Wavelength **Helical** Antenna
- Rugged Plastic Finish, Flexible Antenna
- Available As M4 Screw Fixing

©2007 REG No 277 4001, ENGLAND.

Standard Antenna 315 - 915MHz



+3db GAIN ANTENNA

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

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

©2007 REG No 277 4001, ENGLAND.

Standard Antenna 315 - 915MHz

¼ Wave Whip Antenna Dimensions (mm)

	SMA		M4		BNC		BNC 90°	
	Length	Dia	Length	Dia	Dia	Length	Dia	Length
315MHz	*	*	160	15	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

©2007 REG No 277 4001, ENGLAND.

Standard Antenna 315 - 915MHz

Part Numbers

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

Helical					
Fixing	**173MHz**	**315MHz**	**433MHz**	**458MHz**	**915Hz**
M4	-	-	PU-M4-433	-	-
4BA	PH-4BA-173	PU-4BA-315	PU-4BA-433	-	PU-4BA-916
BNC	-	PU-BNC-315	PU-BNC-433	PU-BNC-458	-

Compressed Helical					
Fixing	**173MHz**	**433MHz**	**458MHz**	**868MHz**	**915Hz**
M4	-	PHC-M4-433	-	-	-

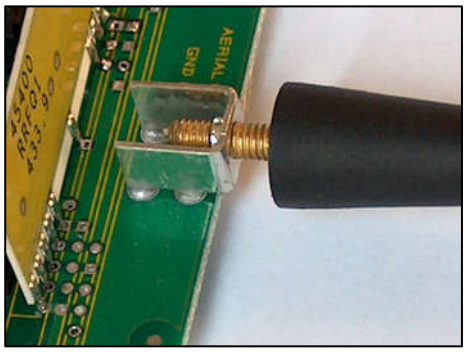
Gain Antenna					
Fixing	**173MHz**	**433MHz**	**458MHz**	**868MHz**	**915Hz**
Mag Mount	SR150M/TS	ANT-433-WHP3-MAG	-	-	-
Wall Mounting Bracket (incl)	-	MB450-RFS433	-	-	-

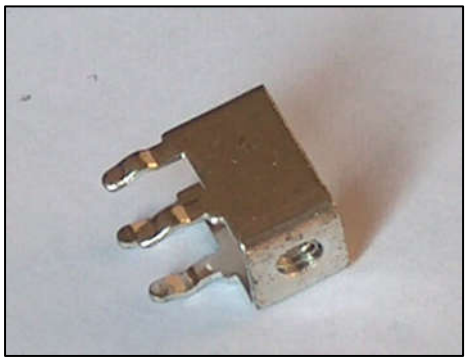
Puk Antenna	
Fixing	**433MHz**
BNC	ANTPUK1-433
SMA	ANTPUK1-433-SMA

©2007 REG No 277 4001, ENGLAND.

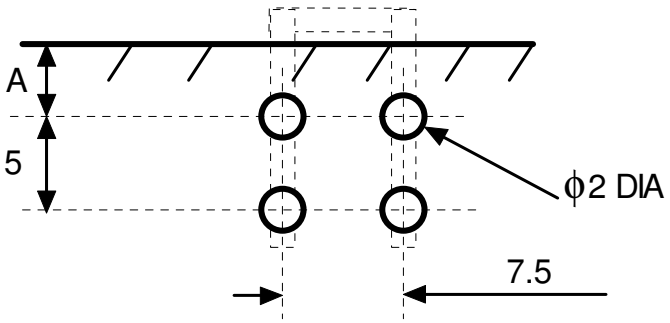
SCTM4RA

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



All dimensions in mm

A = 5,1mm excluding screw head, this also depends on how far the screw terminal is from the outside surface of the box its fitted into.
When the SCRTM4RA is PCB Mounted the screw hole is 4mm from the PCB

©2007 REG No 277 4001, ENGLAND.