

## Antenna

Byron Low Profile  
Antenna  
LIPD/ISM Band



### KEY FEATURES

- Byron radio / LIPD Band (915-928MHz) dedicated external antenna
- Low profile design for mounting on meter pit lids and flat surfaces
- IP68\* rating provides high degree of protection against ingress of dust and moisture
- Light-weight and easy to install, with stainless steel spilt nut
- Suitable for both urban and rural deployments
- Tested on a wide range of Australian and New Zealand meter lids



<b>Electrical</b>	
Band	LIPD band 915 to 928MHz (Australia and New Zealand)
Antenna Average Gain	2.0~3.5dBi
Nominal Impedance	50 ohm
Polarization	Vertical
<b>Mechanical</b>	
Dimensions	Dome Ø 56 mm × H 8.6 mm Shaft Ø 16 mm
Cable/length	CFD195 Low Loss (1m or 2m variants)
Connection	SMA male
Casing and shaft	UV resistant Nylon (glass fiber reinforced) with ABS shaft
Washer and Nut	Stainless Steel
<b>Environmental</b>	
Ingress Protection	IP68* – Device (requires SMA connection with shrink wrap tubing)
Impact Protection	IK08
Temperature	-10°C to 60°C

Radio Specification	Frequency	Return loss	V.S.W.R	Reflection Coefficient
<b>Free air (1m cable)</b>	915 MHz	-25.3 dB	1.115:1	0.055
	921 MHz	-26.8 dB	1.096:1	0.046
	928 MHz	-25.8 dB	1.108:1	0.051
<b>Steel Sheet</b>	915 MHz	-20.6 dB	1.206:1	0.093
	921 MHz	-20.4 dB	1.164:1	0.076
	928 MHz	-25.8 dB	1.108:1	0.051

**EXAMPLE USER CASES - DATALOGGER, SENSOR AND METER SOLD SEPARATELY**



**TAGGLE PART NUMBER**

Variant	Product Code
1M cable	ANT-TI-SMA-0-0-1M-DISC
2M cable	ANT-TI-SMA-0-0-2M-DISC

**INSTALLATION**

Antenna must be mounted on a flat surface with spring washer and nut tightened for secure mounting. The SMA socket must be mated to the transmitter device with heat shrink tubing bonded to the coaxial cable.

**HEAD OFFICE**

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**LICENSE AND CERTIFICATION**

ACMA LIPD Class License

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\* when SMA connectors are mated and with heat shrink tubing encasement.

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