

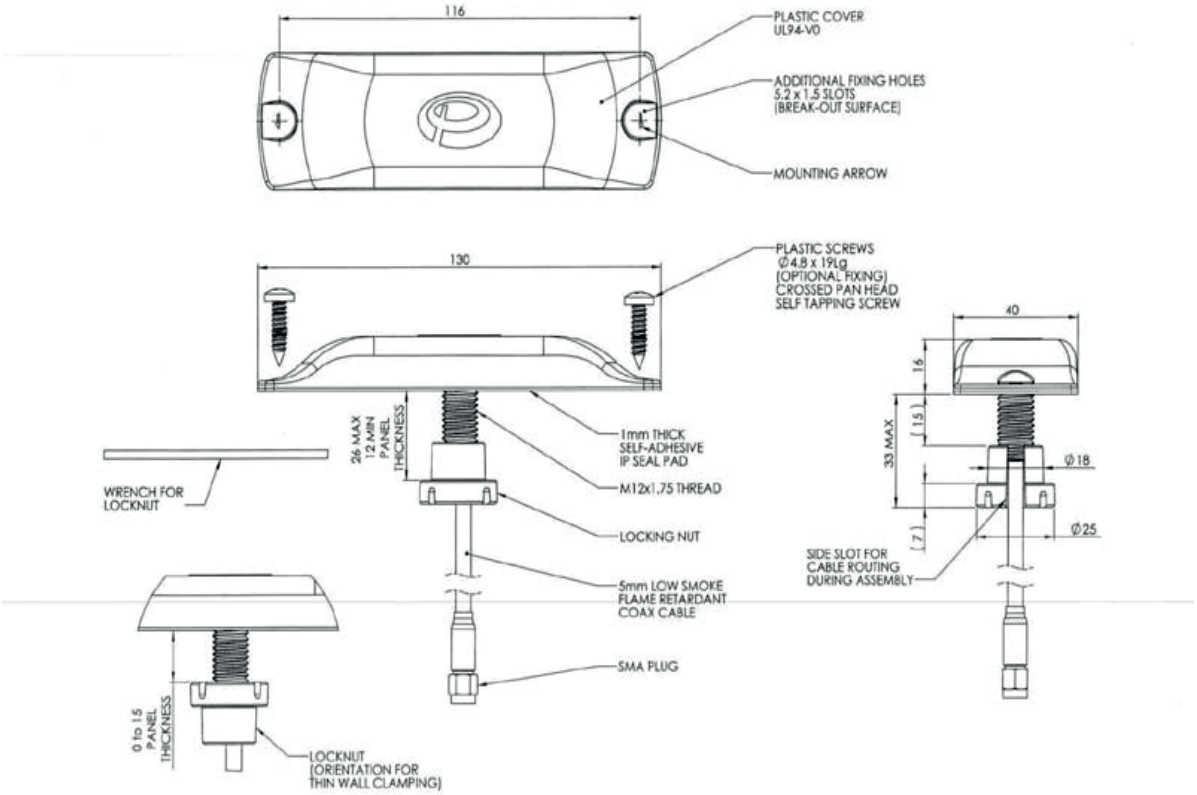
LOW PROFILE M2M/IOT ANTENNA

VANDAL AND TAMPER PROOF FOR 2G, 3G, LORA & LPWA

This range of antennas combines ergonomic style with sophisticated engineering. The rugged design features a solid impact resistant and weatherproof plastic housing. The low profile housing gives a high degree of vandal resistance making it perfect for vending machines or telemetry devices in exposed locations that require reliable communications. The antenna is secured in place by a reversible locking nut allowing secure fitment to panels of between 1mm (0.04”) and 26mm (1”) thick.

The antenna offers ground plane independant omni directional performance across up to three bands making it a versatile solution for a number of applications.

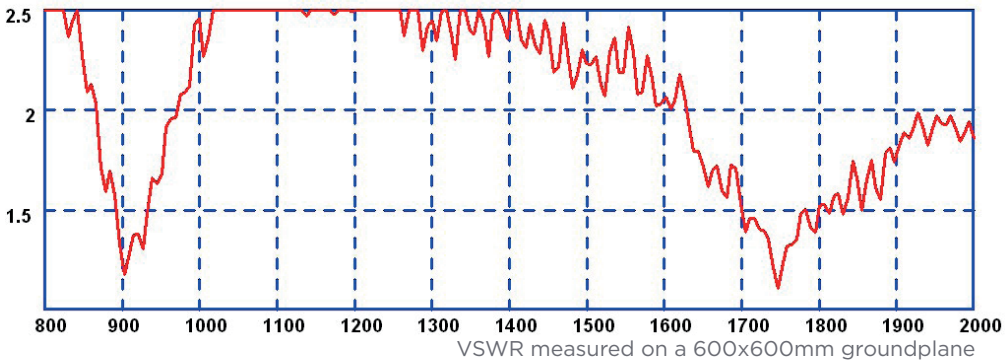
Technical Drawing



Electrical Data		2363697-1	2363697-2	2363697-3	2363697-4
Frequency Range (MHz)		868MHz	840-890, 2100-2170	890-960, 1710-1880	824-894, 1850-1990
Operational Band		868 MHz (Lora, LPWA)	Lora + 3G UMTS	GSM900 & GSM1800	Cellular 850 & 1900
VSWR		<2.5:1	<2:1		
Peak Gain: Isotropic		2dBi	0dBi		
Pattern		Omni-Directional			
Impedance		50Ω			
Max input power (W)		20W			
Mechanical Data					
Dimensions (mm)	Height (mm)	15 (0.6")			
	Length (mm)	130 (5.12")			
	Width (mm)	40 (1.57")			
Operating Temp (°C)		-30 to +70°C	-40 to +80°C (-40 to 176°F)		
Material		ASA	impact resistant ABS / UV stable		
Colour		Telegray 7047			
Mounting Data					
Fixing		M12 Panel mount with optional screw fixings			
Cable Data					
Cable Type		RG174			
Diameter (mm)		2.8 (0.1")			
Length (m)		2 (6.6")			
Termination		SMA plug			

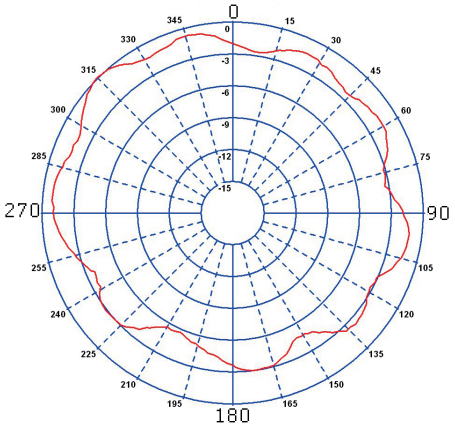
Peak gain does not include cable attenuation

Typical VSWR (-2/-3/-4)



VSWR measured on a 600x600mm groundplane

H-Plane (900MHz)



H-Plane (1800MHz)

