

# DGY900-6

6-Element Yagi Directional Antenna — 700–960 MHz | 12 dBi

The DGY900-6 is a high-performance **6-element Yagi directional antenna** purpose-built for telemetry, IoT and M2M applications in areas where signal strength is low. Constructed from **6061 anodised aluminium** with a C4 stainless steel mast clamp, it is engineered for permanent outdoor installation in demanding Australian conditions.

With **12 dBi of forward gain** and a **14 dB front-to-back ratio**, the DGY900-6 concentrates signal toward the target tower while rejecting interference from behind. Factory tuned to **850 MHz** (retunable on request), it ships with **10M of double-shielded RG58** terminated N(M) and SMA(M), ready to install.



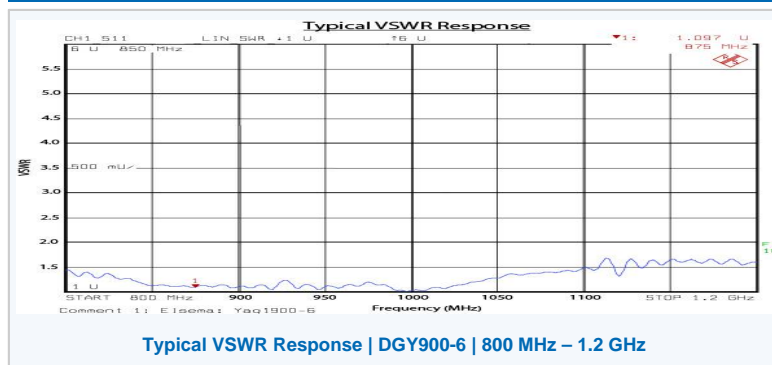
## ELECTRICAL SPECIFICATIONS

<b>Gain</b>	12 dBi
<b>F/B Ratio</b>	14 dB
<b>Frequency</b>	700–960 MHz
<b>Tuning</b>	Factory: 850 MHz (retunable on request)
<b>VSWR</b>	< 1.5 : 1
<b>Impedance</b>	50 Ohm
<b>Power Rating</b>	150 Watts
<b>Cable</b>	10M RG58 Double-shielded
<b>Connector</b>	N Female (Jack) N(M) + SMA(M) ends

## MECHANICAL SPECIFICATIONS

<b>Length</b>	69 cm (690 mm)
<b>Boom Width</b>	180 mm
<b>Elements</b>	6 (Reflector + Driven + 4 Directors)
<b>Material</b>	6061 Anodised Aluminium
<b>Mast Mount</b>	C4 Stainless Steel U-Bolt Clamp
<b>Connector</b>	N Female (Jack)
<b>Cable</b>	10M RG58 Double-shielded

## DIRECTIONAL PERFORMANCE — VSWR & GAIN



### Understanding Yagi Gain

A 12 dBi Yagi provides approximately **16x more effective radiated power** in the target direction than an isotropic source — roughly **4x more than a 7 dBi omni**.

The 14 dB front-to-back ratio also significantly reduces interference from signals arriving from behind, making the DGY900-6 ideal for noisy RF environments and fringe-area telemetry links.

## TYPICAL APPLICATIONS



Remote Telemetry & SCADA Systems	Rural & Fringe 4G Coverage Extension	Point-to-Point Data Links
Smart Water & Utility Monitoring	Security Alarm Remote Communicators	Fleet & Asset Tracking
Agricultural IoT Sensors	Mine Site & Industrial Wireless	Emergency Services Comms

## Ready to Order or Need a Custom Solution?

D&G Antennas supplies Australia's leading telemetry engineers, security integrators, fleet operators and rural communications specialists with professional-grade directional antenna solutions. Whether you need a single unit or a volume order, our team is ready to support your project from specification through to delivery.

Factory retuning to specific frequencies within the bandwidth is available on request. Custom cable lengths and alternative connector types available. Stock items typically ship within 7 business days.

### GET IN TOUCH

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### CALL US

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### VISIT US

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**Exclusive Tier 1 Trade Pricing Available.** D&G Antennas offers exclusive Tier 1 pricing for qualified trade partners, system integrators and volume buyers. Contact our sales team directly to discuss your requirements and receive a tailored pricing schedule.

*Specifications subject to change without notice. D&G Antennas Pty Ltd — 3/1 Harford Street, Jamisontown NSW 2750.*