

4.4–5.9 / 7.1–8.5 GHz Tactical Parabolic Antennas

QUICK LOOK:

- **High-gain dual-polarized antennas for PTP 700 radios**
- **Collapsible petal design for easy compact transport**
- **Mesh reflector for reduced weight and higher wind rating**
- **Supports 4.4–5.9 GHz or 7.1–8.5 GHz bands**
- **Available in 2 ft and 3 ft sizes**
- **Available in white, green, or tan**



Cambium Networks Tactical Parabolic Antennas are high-gain directional antennas designed for compact storage and transportation. The innovative collapsible petal design allows the antennas to be quickly and easily assembled without tools, even while wearing gloves. The 2-foot antennas use 3 petals and the 3-foot antennas use 4 petals, optimizing storage, assembly, and durability tradeoffs.

The antennas are available in 4.4 GHz to 5.9 GHz and 7.1 GHz to 8.5 GHz frequency bands, and in white, green, or desert tan colors.

APPLICATIONS

- Deployment of long-distance, high-throughput, tactical radio links

KEY FEATURES

- Collapsible petal design
- 2' and 3' mesh reflectors
- Simple assembly and disassembly
- Compatible with PTP 45700 and PTP 78700 radios
- Designed to work with Cambium tactical Connectivity Kits and TD 90 positioners
- Designed for tactical operators
- Tested to MIL-STD-810

Tactical Parabolic Antennas

Model Numbers		Mechanical Specifications	
4.4–5.9 GHz, 2-ft	N045070D080A – White N045070D081A – Green N045070D082A – Tan	Dimensions	2-ft: 25.5 x 25.5 x 12.5 in 3-ft: 35.6 x 35.6 x 15.6 in
4.4–5.9 GHz, 3-ft	N045070D083A – White N045070D084A – Green N045070D085A – Tan	Weight	2-ft: 11.7 lb 3-ft: 17.8 lb
7.1–8.5 GHz, 2-ft	N070070D086A – White N070070D087A – Green N070070D088A – Tan	Environmental	IP67, MIL-STD-810
7.1–8.5 GHz, 3-ft	N070070D089A – White N070070D090A – Green N070070D091A – Tan	Wind Rating	Operational: 145 km/h Survival: 209 km/h
		Connector	2 x N-type, female
		Country of Origin	United States

Electrical Specifications				
	4.4–5.9 GHz, 2-Ft	4.4–5.9 GHz, 3-Ft	7.1–8.5 GHz, 2-Ft	7.1–8.5 GHz, 3-Ft
Frequency Range	4.4–5.925 GHz	4.4–5.925 GHz	7.125–8.5 GHz	7.125–8.5 GHz
Gain	25.5 to 28.5 dBi	28.5 to 31.5 dBi	30.5 to 31.2 dBi	33.3 to 34.4 dBi
Polarization	Horizontal + Vertical	Horizontal + Vertical	Horizontal + Vertical	Horizontal + Vertical
Azimuth Beamwidth	6.5 +/- 1.5°	4.7 +/- 1.5°	4.8 +/- 0.7°	3.5 +/- 0.5°
Elevation Beamwidth	6.5 +/- 1.5°	4.7 +/- 1.5°	5.0 +/- 0.7°	3.4 +/- 0.5°
Front to Back Ratio	>26 dB	>26 dB	>26 dB	>26 dB
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Port to Port Isolation	25 dB	25 dB	25 dB	25 dB
VSWR	1.7:1 Typical, 2:1 Max			

ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.