

Mini-Gooseneck Antennas



UHF to X-band

Pharad's mini-gooseneck antennas are the ideal flexible antenna solution for lightweight gooseneck applications. They provide high performance radiating apertures with flexible goosenecks that attach to handheld, pocket sized, or fixed location radios and access points. The antenna's integrated flexible arm allows the orientation of the radiator to be easily adjusted to optimize link performance. Pharad offers broadband omni-directional mini-gooseneck antennas with operational bandwidths from 420 MHz to 10 GHz. These antennas require no tuning or frequency adjustment.

Mini-Gooseneck Antenna Products

Application	UHF	LTE	LTE-TDD	GSM/Cellular	ISM
Model #	MG-420-575	MG-700-3000	MG-700-3800	MG-800-2700	MG-900-930
Frequency	420 – 575 MHz	700 – 3000 MHz	700 – 3800 MHz	800 – 2700 MHz	902 – 928 MHz
Gain*	-5.5 dBi @ 480 MHz	-3.0 dBi @ 700 MHz 0.0 dBi @ 800 MHz -3.0 dBi @ 1700 MHz -2.0 dBi @ 1900 MHz -4.0 dBi @ 2600 MHz -4.0 dBi @ 3000 MHz	-3.0 dBi @ 700 MHz 0.0 dBi @ 800 MHz -3.0 dBi @ 1700 MHz -2.0 dBi @ 1900 MHz -4.0 dBi @ 2600 MHz -3.5 dBi @ 3800 MHz	-3.3 dBi @ 800 MHz -3.0 dBi @ 900 MHz 1.3 dBi @ 1800 MHz 0.5 dBi @ 2100 MHz 1.5 dBi @ 2400 MHz 2.1 dBi @ 2600 MHz	2.0 dBi @ 915 MHz
VSWR (in band)	< 2.5:1	< 3:1	< 3.5:1	< 3:1	< 2.5:1

Application	L-, S-, & C-band	L-band MANET	S-band/C-band
Model #	MG-1400-5900	MG-1700-1900	MG-2200-4900
Frequency	1400 – 5900 MHz	1700 – 1900 MHz	2.2-2.3/4.4-4.9GHz
Gain*	0.3 dBi @ 1400 MHz 0.5 dBi @ 1700 MHz 1.0 dBi @ 2400 MHz 0.7 dBi @ 4400 MHz 1.3 dBi @ 5800 MHz	2.7 dBi @ 1700 MHz 2.9 dBi @ 1900 MHz	4.5 dBi @ 2200 MHz 4.8 dBi @ 2300 MHz 6.0 dBi @ 4400 MHz 5.5 dBi @ 4900 MHz
VSWR (in band)	< 3:1	< 2:1	< 3:1

Common Characteristics	
Polarization	Vertical
Size (L x D)	5.1" x 0.56"
Weight	0.5 ounces
Connector	SMA Male*

* Other connector options available

Application	WLAN/WiFi	C-band/Upper WiFi	UWB
Model #	MG-2400/5800	MG-4400-5900	MG-3000-10000
Frequency	2.2-2.5/5.0-6.0 GHz	4400 – 5900 MHz	3 – 10 GHz
Gain*	2.2 dBi @ 2450 MHz 4.4 dBi @ 5650 MHz	2.7 dBi @ 4400 MHz 2.8 dBi @ 4800 MHz 3.0 dBi @ 5100 MHz 3.3 dBi @ 5800 MHz 3.4 dBi @ 5900 MHz	1.8 dBi @ 3 GHz 3.7 dBi @ 6 GHz 3.0 dBi @ 9 GHz 3.4 dBi @ 11 GHz
VSWR (in band)	< 3:1	< 3:1	< 3.8:1

* Gain characteristics measured for the standalone antenna

Octane is a registered trademark and division of Pharad, LLC.
Specifications subject to change without notice.

1340 Charwood Road, Suite L • Hanover, MD 21076 • phone 410-590-3333 • email info@pharad.com
www.pharad.com

