

## Magnetic Mount Antennas

### Mag-1 Magnetic Bases:

Available in three base diameters, each MAG-1 Series base features a powerful magnet for reliable mounting on metal surfaces. They also feature a soft, rubber protective cover to help protect painted surfaces, such as those on automobiles. The base accepts a diverse range of antenna element styles and frequencies.

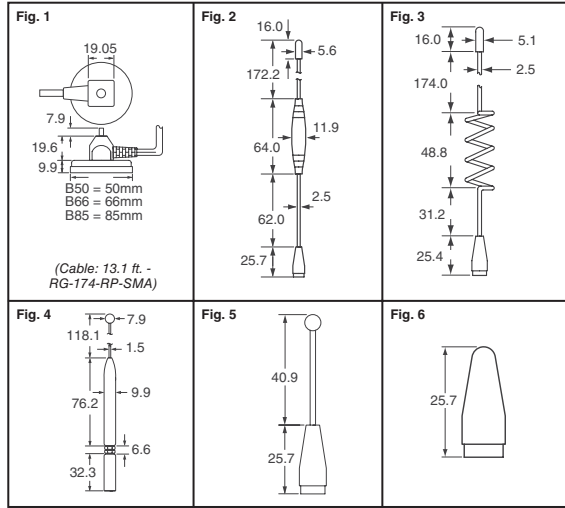
### Mag-1 Antenna Elements:

These cosmetically attractive elements are designed to fit MAG-1 Series bases. Ideal for mobile and cellular systems, they are available in a range of styles and center frequencies and are intended to offer outstanding performance and durability even in harsh environments.



Dimensions in mm

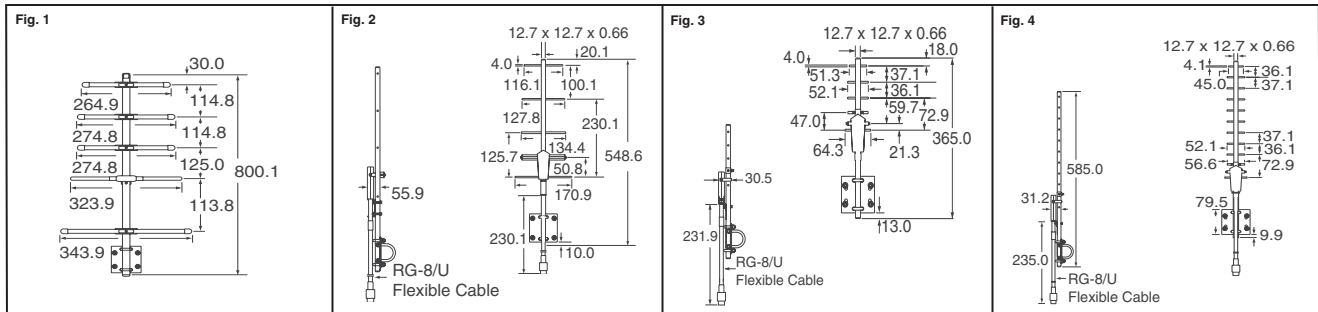
Fig.	Description	Frequency (MHz)	Digi-Key Part No.	Price Each			Antenna Factor Part No.
				1	25	100	
1	50mm MAG-1 Magnetic Base	—	ANT-MAG-B50-RPS-ND	4.20	3.84	3.20	ANT-MAG-B50-RPS
	66mm MAG-1 Magnetic Base	—	ANT-MAG-B66-RPS-ND	4.71	4.31	3.60	ANT-MAG-B66-RPS
	85mm MAG-1 Magnetic Base	—	ANT-MAG-B85-RPS-ND	5.25	4.80	4.00	ANT-MAG-B85-RPS
2	Dual-Band Whip-Element	916, 1.7 – 1.8GHz	ANT-ELE-S01-008-ND	2.48	2.27	2.11	ANT-ELE-S01-008
3	Whip-Element	916	ANT-ELE-S01-005-ND	2.12	1.86	1.64	ANT-ELE-S01-005
4	High Gain Whip-Element	916	ANT-ELE-S01-006-ND	2.56	2.24	1.97	ANT-ELE-S01-006
5	Short Whip-Element	916	ANT-ELE-S01-010-ND	2.08	1.82	1.62	ANT-ELE-S01-010
6	Stub Element	2.4GHz	ANT-ELE-S01-011-ND	2.05	1.80	1.60	ANT-ELE-S01-011



## Yagi Antennas



Dimensions in mm



Antenna Factor offers Yagi antennas in models covering frequencies from 400 to 2.4GHz. The antennas are designed for long-distance directional communication and can greatly enhance the performance of RF links, such as WLAN and WIFI.

Made of stainless steel and featuring sturdy mast mounts, these rugged antennas are constructed to withstand the stress of long-term use. All antennas are designed for 50Ω system matches with maximum inputs of 100W.

Fig.	Description	Freq. (MHz)	Digi-Key Part No.	Price Each			Antenna Factor Part No.
				1	25	100	
1	418MHz 5-Element Yagi	418	ANT-418-YG5-N-ND	61.24	55.99	50.79	ANT-418-YG5-N
2	916MHz 5-Element Yagi	916	ANT-916-YG5-N-ND	61.24	55.99	50.79	ANT-916-YG5-N
3	2.4GHz 6-Element Yagi	2442	ANT-2.4-YG6-N-ND	61.24	55.99	50.79	ANT-2.4-YG6-N
4	2.4GHz 12-Element Yagi	2442	ANT-2.4-YG12-N-ND	87.29	79.81	65.31	ANT-2.4-YG12-N

## Surface Mount Antennas



Dimensions in mm

### MHW Series:

This antenna style provides a clever solution to the unique needs of difficult environments such as a vehicle. Designed to mount directly onto nonconductive interior surfaces such as wallboard, windows or a rear view mirror, these compact antennas are easily concealed, minimizing potential theft.

### HDP Series:

A compact, center-fed antenna that achieves efficient operation at either or both of two frequency bands. Its durable, unobtrusive housing attaches permanently with integral adhesive to flat, nonconductive surfaces.

### VDP Series:

Similar to the HDP Series but the cable enters from the bottom to facilitate vertical orientation. Also, this compact, center-fed antenna achieves efficient operation at any or all of three frequency bands. Attaches permanently with integral adhesive to flat nonconductive surfaces.

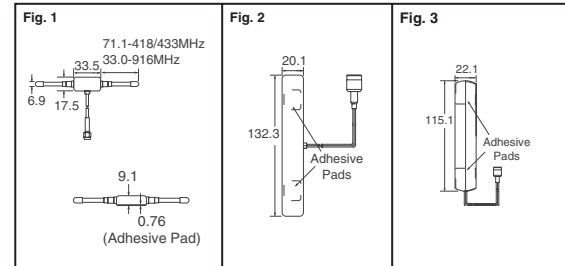


Fig.	Description	Frequency (MHz)	Digi-Key Part No.	Price Each			Antenna Factor Part No.
				1	25	100	
1	Compact Center-Fed Dipole	418	ANT-418-MHW-RPS-S-ND	7.22	6.32	5.77	ANT-418-MHW-RPS-S
		433	ANT-433-MHW-RPS-S-ND	7.22	6.32	5.77	ANT-433-MHW-RPS-S
		916	ANT-916-MHW-RPS-S-ND	7.22	6.32	5.77	ANT-916-MHW-RPS-S
2	Dual-Band Surface Mount	860 – 960, 1770 – 1880	ANT-DB1-HDP-RPS-ND	5.86	5.36	4.91	ANT-DB1-HDP-RPS
3	Tri-Band Surface Mount	860 – 960, 1770 – 1880, 2400	ANT-DB1-VDP-RPS-ND	7.03	6.15	5.41	ANT-DB1-VDP-RPS

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