



## HEPTABAND™ EXTERNAL

### Wireless Antenna

**815-885 MHz/ 824-894 MHz/ 880-960 MHz/  
1427-1511 MHz/ 1575 MHz/ 1710-1880 MHz/  
1850-990 MHz/ 1920-2170 MHz/  
2400-2500 MHz**

Laird Connectivity Heptaband portable wireless antennas provide excellent radio transmission characteristics while offering the ultra flexibility of more than seven bands in one profile. With operating frequencies of 815- 885 MHz, 824-894 MHz, 880-960 MHz, 1427-1511 MHz, 1575 MHz, 1710-1880 MHz, 1850-1990 MHz, 1920-2170 MHz, and 2400-2500 MHz, the antenna is the ideal choice when multiple bandwidths are required in various regional and global applications. Additionally, the blade style antenna features both knuckle and swivel snap-in or SMA/TNC/RPTNC connector options.

### FEATURES AND BENEFITS

- Operates simultaneously in more than seven frequency bands supporting cellular, Quadband GSM+UMTS/3G, GPS, AWS, Wi-Fi, WLAN, and WISP
- Available in knuckle swivel snap or SMA/TNC/RPTNC connector options.
- Blade style external antenna measures only 6.33 inches

### APPLICATION

- Wireless terminal
- Point-of-sale
- Machine-to-machine
- Automatic meter reading
- Home security

### ELECTRICAL SPECIFICATIONS

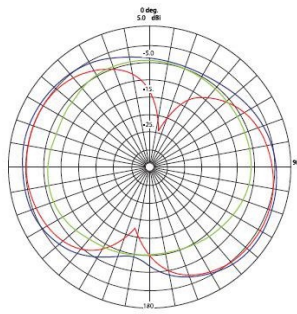
Model Name	Heptaband
Operating Frequency (MHz)	815-885 MHz, 824-894 MHz, 880-960 MHz, 1427-1511 MHz, 1575 MHz, 1710-1880 MHz, 1850-1990 MHz, 1920-2170 MHz, and 2400-2500 MHz
Gain (dBi)	1-3
VSWR	<2.5:1
Polarization	Linear
Azimuth - 3 dB Beamwidth	Omnidirectional
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	10

## MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

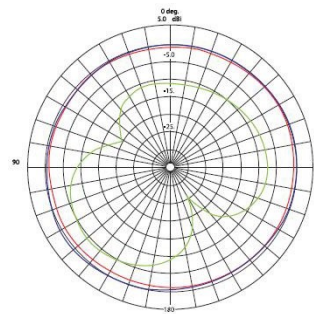
Dimensions - mm (inches)	161 x 9.3 (6.3 x 0.36)
Mounting Style	Snap-in/Captive, SMA, RPSMA, TNC, RPTNC
Operating Temperature - °C (°F)	-5 to +50°C (-23 to +122°F)
Material Substance Compliance	RoHS

## CONFIGURATION

MODEL NUMBER	PART NUMBER	CONNECTOR	COLOR
HEPTA-SM	MAF94300	SMA	Black
HEPTA-RSM	MAF94301	RP-SMA	Black
HEPTA-TN-G	MAF94302	TNC	Gray
HEPTA-RTN	MAF94303	RP-TNC	Black
HEPTA-MMCX04	MAF94305	SNAPIN/CAPTIVE, 100 mm of RG178 coax MMCX connector	Black
HEPTA-FLO4	MAF94306	SNAPIN/CAPTIVE, 100 mm of RG178 coax flying lead	Black
HEPTA-TN	MAF94307	TNC	Black



TYPICAL ELEVATION PATTERN



TYPICAL AZIMUTH PATTERN

### TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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