

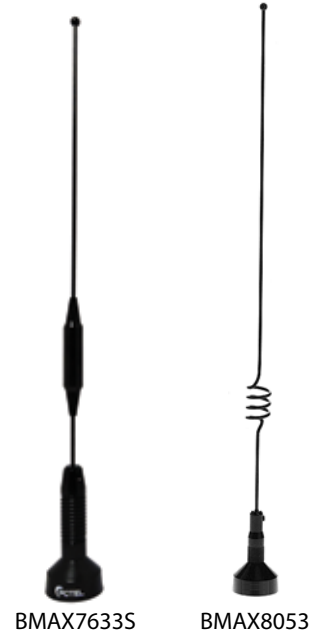


## BMAX Molded Base Antennas

These PCTEL antennas feature a rugged molded polymer base, plated springloaded contact pin and .100" diameter stainless steel whip for long-lasting, trouble-free operation. Select models are available with open or closed coil rod, and can be ordered in all black finish. This series offers models for many types of wireless applications, including Wi-Fi and WiMAX mobility, VHF and UHF land mobile radio, 700 Public Safety, 800 MHz and 900 MHz digital radio and AMPS/ PCS voice/data support.

### Features

- Molded polymer base provides ruggedness and durability in harsh mobile environments.
- Wideband performance (Wi-Fi and WiMAX models) provide coverage of 2.2 GHz to 2.9 GHz frequencies without tuning. WiMAX model covers 2.3-3.8 GHz frequencies.
- 3 dB or 5 dB models available for most frequency ranges
- Antenna is ready to install; no rod cutting is required (unless otherwise noted)
- Designed to mate with all 1-1/8"-18 thread mounts, including 3/4" mounts
- Spring-loaded gold plated contact pin



### STANDARD CONFIGURATION

Model**	Optional Spring Available*	Mount	Rod/Coil Type
(B)MAXMFT(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Straight
(B)MAXSCAN1000(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
(B)MAX7603S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Open
BMAX7633S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
(B)MAX7635S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Closed
BMAX8053(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Open
BMAX8155S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MAX8375S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Closed
BMAX824/1850	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Open
BMAX9155S	Spring only	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MAX9053	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Open
BMAXC24503	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts; high frequency mounts recommended with this model	Collinear / Closed
BMAXC24505	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts high frequency mounts recommended with this model	Collinear / Closed
BMAXC233805	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts high frequency mounts recommended with this model	Collinear / Closed

\* To select spring option, add suffix "S" to part number. Example: BMAX8053S  
 \*\* (B) indicates black option available. To select, add prefix "B" to the part number. Example: BMAXMFT



## BMAX Molded Base Antennas

### ELECTRICAL SPECIFICATIONS

Model*	Frequency Range	Gain	VSWR	Average Power	Nominal Impedance	Factory Tuned Frequency	Antenna Type
(B)MAXMFT(S)	118-940 MHz	Unity	< 1.5:1	200 watts	50 ohms	Field Tunable	1/4 wave
BMAXSCAN1000	150-174 MHz / 450-470 MHz / 800-840 MHz	Unity	< 1.5:1	150 watts	50 ohms	160 MHz	1/4 wave or Collinear array
(B)MAX7603S	760-870 MHz	3 dB	< 1.5:1	100 watts	50 ohms	160/460 MHz / NA	Wideband collinear
BMAX7633S	760-870 MHz	3 dB	< 1.5:1	100 watts	50 ohms	815 MHz	Wideband collinear
(B)MAX7635S	760-870 MHz	5 dB	< 1.9:1	100 watts	50 ohms	815 MHz	Dual 1/2 wave over a 1/4 wave
BMAX8053	806-866 MHz	3 dB	< 1.5:1	100 watts	50 ohms	835 MHz	5/8 wave over a 1/4 wave
BMAX8155S	806-896 MHz	4.5 dB	< 1.5:1	100 watts	50 ohms	835 MHz	Collinear array
MAX8375S	824-896 MHz	5 dB	< 1.5:1	100 watts	50 ohms	835 MHz	5/8 wave over a 1/4 wave
BMAX824/1850	824-896 MHz / 1850-1990 MHz	2.2 dBi / 4 dBi	< 1.5:1	100 watts	50 ohms	Broadband***	Dual-Band Collinear
BMAX9155S	890-945 MHz	4.0 dB	< 1.5:1	100 watts	50 ohms	Broadband***	Collinear array
MAX9053	896-940 MHz	3 dB	< 1.5:1	100 watts	50 ohms	896 MHz	5/8 wave over a 1/4 wave
BMAXC24503	2.2-2.9 GHz	3 dBi	< 1.5:1	100 watts	50 ohms	Broadband***	ISM mobile and WLAN
BMAXC24505	2.2-2.9 GHz	5 dBi	< 1.5:1	100 watts	50 ohms	Broadband***	ISM mobile and WLAN
BMAXC233805	2.3-3.8 GHz	5 dBi	< 1.5:1	100 watts	50 ohms	Broadband***	WiMAX mobile

### MECHANICAL SPECIFICATIONS

Model*	Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Spring Material	Housing Material
(B)MAXMFT(S)	26"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
BMAXSCAN1000	21"	-40°C to +85°C	17-7PH SST	NA	Black UV-Stable ABS
(B)MAX7603S	14"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
BMAX7633S	14"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
(B)MAX7635S	25"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
BMAX8053	13"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
BMAX8155S	13"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
BMAX824/1850	12"	-40°C to +85°C	17-7PH SST	N/A	Black UV-Stable ABS
BMAX9155S	13"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
MAX8375S	13"	-40°C to +85°C	17-7PH SST	SST	Black UV-Stable ABS
MAX9053	11"	-40°C to +85°C	17-7PH SST	N/A	Black UV-Stable ABS
BMAXC24503	5.25"	-40°C to +85°C	17-7PH SST	N/A	Black UV-Stable ABS
BMAXC24505	7.50"	-40°C to +85°C	17-7PH SST	N/A	Black UV-Stable ABS
BMAXC233805	4.75"	-40°C to +85°C	17-7PH SST	N/A	Black UV-Stable ABS

\*\*\*Broadband antennas are optimized across the entire specified frequency range