

No Ground Plane Elevated Feed Point Antennas

The elevated feed point antennas are designed for those applications that lack a ground plane. They are ideal for mirror or trunk lid mounting applications or for vehicles with non-metallic surfaces where no ground plane is available.

Features

- Elevated feed point eliminates vehicle “shadow” effect
- Does not require a ground plane; excellent for non-metallic vehicles
- Stainless steel shock spring included on all models
- Mates with all 1-1/8”-18 thread mounts, including 3/4” mounts
- Optional “push pin” mount contact interface on select models



(B)MUF4600



(B)MUF8040

MAXRAD

Technical Data

Maximum Power: 125 watts (all models, except 4000 series) 200 watts (UHF series models)
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR: < 1.5:1
Radiator Material: .100” diameter stainless steel; bright or black finish
Spring: Stainless steel; bright or black finish
Phasing Coil Housing: UHF models: Molded polymer jacket with bright or black chrome plated brass bushing 700, 800 & 900 MHz models: Molded polymer jacket with copper, nickel and chrome plated brass bushing
Rod Ferrule: 5/16”-24 thread; bright or black chrome plated brass
Body: Molded polymer

Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Rod/Coil Type
(B)MUF4085(P)	406-430 MHz		5 dB	Collinear/Closed
(B)MUF4080	406-440 MHz		Unity	Straight
(B)MUF4325(P)	430-450 MHz	UHF Antennas are field tunable within the specified frequency range.	5 dB	Collinear/Closed
(B)MUF4600(P)	440-480 MHz		Unity	Straight
(B)MUF4525(P)	450-470 MHz		5 dB	Collinear/Closed
(B)MUF4725	470-490 MHz		5 dB	Collinear/Closed
(B)MUF4800	480-512 MHz		Unity	Straight
(B)MUF4925	490-512 MHz		5 dB	Collinear/Closed
(B)MUF7603(P)	760-870 MHz	815 MHz	3 dB	Collinear/Closed
(B)MUF8040	806-866 MHz	815 MHz	Unity	Straight
(B)MUF8023	806-866 MHz	815 MHz	3 dB	Collinear/Open
(B)MUF8073	806-866 MHz	815 MHz	3 dB	Collinear/Closed
(B)MUF8035	806-866 MHz	815 MHz	5 dB	Trilinear/Open
(B)MUF8045	806-866 MHz	815 MHz	5 dB	Trilinear/Closed
(B)MUF8400	825-896 MHz	835 MHz	Unity	Straight
(B)MUF8043	825-896 MHz	835 MHz	3 dB	Collinear/Open
(B)MUF8083	825-896 MHz	835 MHz	3 dB	Collinear/Closed
(B)MUF8405	825-896 MHz	835 MHz	5 dB	Trilinear/Open
(B)MUF8455	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
(B)MUF9113	870-950 MHz	898 MHz	3 dB	Collinear/Open
(B)MUF9040	896-940 MHz	898 MHz	Unity	Straight
(B)MUF9043	896-940 MHz	898 MHz	3 dB	Collinear/Open
(B)MUF9083	896-940 MHz	898 MHz	3 dB	Collinear/Closed
(B)MUF9105	896-940 MHz	898 MHz	5 dB	Trilinear/Open
(B)MUF9115	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

For detailed specifications, visit <http://antenna.pctel.com>.

*Prefix “B” indicates black. Spring included.

** Suffix “P” indicates “Push” pin mount contact interface option.

Mechanical Specifications

Model	Antenna Height at lowest frequency
(B)MUF4085(P)	Approximately 38"
(B)MUF4080	Approximately 18"
(B)MUF4325(P)	Approximately 38"
(B)MUF4600(P)	Approximately 18"
(B)MUF4525(P)	Approximately 38"
(B)MUF4725	Approximately 38"
(B)MUF4800	Approximately 18"
(B)MUF4925	Approximately 38"
(B)MUF7603(P)	Approximately 23"
(B)MUF8040	Approximately 12"
(B)MUF8023	Approximately 23"
(B)MUF8073	Approximately 23"
(B)MUF8035	Approximately 33"
(B)MUF8045	Approximately 33"
(B)MUF8400	Approximately 12"
(B)MUF8043	Approximately 23"
(B)MUF8083	Approximately 23"
(B)MUF8405	Approximately 33"
(B)MUF8455	Approximately 33"
(B)MUF9113	Approximately 22.5"
(B)MUF9040	Approximately 11.5"
(B)MUF9043	Approximately 22.5"
(B)MUF9083	Approximately 22.5"
(B)MUF9105	Approximately 32"
(B)MUF9115	Approximately 32"

*Prefix "B" indicates black. Spring included.

** Suffix "P" indicates "Push" pin mount contact interface option.

Replacement Rods

Replacement Rods		Antenna Model	Replacement Rod #	Antenna Model	Replacement Rod #
ASP1815	KD1810Z	BMUF4325	BMUR4325	MAX150/450	MUX150/450
ASP358	K-41	BMUF4500	BMAT4500	MAX440D	MUX440D
ASP7455	KR731	BMUF4503	BMLW15.5	MAX450D	MUX450D
ASP7655	KR724	BMUF4525	BMUR4525	MAX455	BMUX455
ASP7795	KRL724	BMUF4600	BMUR4600	MAX8033	MUX8033
ASPA7655	KRA724	BMUF4700	BMUR4700	MAX8053	MUX8053
ASPB7655	KRB724Z	BMUF4700	BMAT4700	MAX8053	BMUX8053
ASPC201	K42	BMUF4703	BMLW15.5	MAX8135	MUX8135
ASPC201	K51	BMUF4725	BMUR4725	MAX8355	MUX8355
ASPC7655	KRC7243	BMUF490	BMUR490	MAX8375	MUX8375
ASPD1865	KD1860Z	BMUF4900	BMAT4900	MAX9033	MUX9033
ASPD1894	KD1894Z	BMUF4903	BMLW15.5	MAX9053	MUX9053
ASPD1965	KDM1960Z	BMUF4925	BMUR4925	MAX9075	MUX9075
ASPD913U	KDM913Z	BMUF8000	BMAT8000	MAX9085	MUX9085
ASPE7655	KRE724	BMUF8023	BMUR8023	MAX-HAM	MUXHAM
ASPR7495	K7490Z	BMUF8035	BMUR8035	MAXMFT	MLWVWBQ
ASPR795	K790Z	BMUF8040	BMUR8040	MAXSCAN1000	MUXSCAN
APR852.3	KR852Z	BMUF8043	BMUR8043	MAZ8055	MUX8055
ASPRDM1994	KRDM1994Z	BMUF8045	BMUR8045	MBSUHF	MLW22.5
APRG852.3	KG852Z	BMUF8063	BMUR8063	MHB1360	MAT1360
ASPS177	K-41	BMUF8073	BMUR8073	MHB1440	MAT1440
BMAX12705	BMUX12705	BMUF8083	BMUR8083	MHB1520	MAT1520
BMAX140D	BMUX140D	BMUF8125	BMUR8125	MHB1620	MAT1620
BMAX150/450	BMUX150/450	BMUF8133	BMUR8133	MHB2002	MLW35
BMAX150D	BMUX150D	BMUF8135	BMUR8135	MHB2200	MAT2200
BMAX440D	BMUX440D	BMUF8143	BMUR8143	MHB5800	MATH
BMAX450D	BMUX450D	BMUF8253	BMUR8253	MHB5800132	MATH132
BMAX8033	BMUX8033	BMUF8345	BMUR8345	MHB5800HD	MATHHD
BMAX8055	BMUX8055	BMUF8353	BMUR8353	MHB5802	MATH
BMAX8135	BMUX8135	BMUF8355	BMUR8355	MHB5802132	MATH132
BMAX824/1850	BMUX824/1850	BMUF8363	BMUR8363	MHB5812	MATH132
BMAX8355	BMUX8355	BMUF8400	BMUR8400	MHB5820	MATH
BMAX8375	BMUX8375	BMUF8405	BMUR8405	MHB5825	MATH
BMAX9033	BMUX9033	BMUF8455	BMUR8455	MHBDC5800	MATH
BMAX9053	BMUX9053	BMUF8963	BMUR8963	MHBDC5800132	MATH132
BMAX9075	BMUX9075	BMUF8965	BMUR8965	MHBL118	MLW24
BMAX9085	BMUX9085	BMUF8975	BMUR8975	MHBL54	MATH132
BMAX-HAM	BMUXHAM	BMUF8983	BMUR8983	MHBL88	MLW49
BMAXMFT	BMLWVWBQ	BMUF8993	BMUR8993	MLB2700	MATH
BMAXMFTHD	BMLWVWBQHD	BMUF9000	BMAT9000	MLB3000	MATH
BMAXSCAN1000	BMUXSCAN	BMUF9040	BMUR9040	MLB3001	MAR96F
BMFT120	BMFT1/4	BMUF9083	BMUR9083	MLB3001	MAR96F
BMHB1360	BMAT1360	BMUF9105	BMUR9105	MLB3400	MATH
BMHB1440	BMAT1440	BMUF9115	BMUR9115	MLB4000	MATH
BMHB1520	BMAT1520	BMUFL4065	BMLW4065	MLB4700	MATH
BMHB1620	BMAT1620	BMUFL4305	BMLW4305	MLB6600	MATH
BMHB2002	BMLW35	BMUFL4505	BMLW4505	MLBDC2700	MATH
BMHB2200	BMAT2200	BMUFL4705	BMLW4705	MLBDC3000	MATH
BMHBL118	BMLW24	BMUFL4905	BMLW4905	MLBDC3400	MATH
BMHBL154	BMATH132	BMUFL800	BMLW800	MLBDC3700	MATH
BMMC120	BMATH132	BMUFL8005	BMLW8005	MLBDC4000	MATH
BMMC150	BMATH	BMUFL8033	BMLW8033	MLBDC4400	MATH
BMMC150132	BMATH132	BMUFL8053	BMLW8053	MLBDC4500	MATH
BMMC200	BMATH	BMUFL8105	BMLW8105	MLBDC4700	MATH
BMMC380	BMUR380	BMUFL8305	BMLW8305	MLBDC5000	MATH
BMMC450	BMUR450	BMUFL8325	BMLW8325	MMC120	MATH132
BMMC150	BMATH	BMUFL9033	BMLW9033	MMC150	MATH
BMMC150132	BMATH132	BMUFL9053	BMLW9053	MMC150132	MATH132
BMMC1200	BMATH	BMUFL9075	BMLW9075	MMC200	MATH
BMUF 4300	BMAT4300	BMUFL9085	BMLW9085	MMCL150	MATH
BMUF406	BMUR406	BMUX140/440	BMUX140/440	MMCL150132	MATH132
BMUF4060	BMAT4060	BMW1320	BMLW21	MMCL200	MATH
BMUF4085	BMUR4085	MAX140/440	MUX140/440	MUF3505	MUB350
BMUF430	BMUR430	MAX140D	MUX140D	MUF4060	MAT4060
BMUF4303	BMLW15.5	MAX150	MUX150D	MUF4062	MLW11