



BMUF8043

MUF8455

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

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

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

Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Rod/Coil Type
BMUF4085P**	406-430 MHz	UHF antennas are field tunable within the specified frequency range.	3 dB	Collinear/Closed
BMUF7603P**	760-870 MHz		3 dB	Collinear/Closed
(B)MUF8073	806-866 MHz	815 MHz	3 dB	Collinear/Closed
(B)MUF8045	806-866 MHz	815 MHz	5 dB	Trilinear/Closed
(B)MUF8043	825-896 MHz	835 MHz	3 dB	Collinear/Open
(B)MUF8455	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
MUF9043	896-940 MHz	898 MHz	3 dB	Collinear/Open
(B)MUF9115	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

Mechanical Specifications

Model	Antenna Height at lowest frequency
BMUF4085P	Approximately 38"
BMUF7603P	Approximately 23"
(B)MUF8073	Approximately 23"
(B)MUF8045	Approximately 33"
(B)MUF8043	Approximately 23"
(B)MUF8455	Approximately 33"
(B)MUF9043	Approximately 22.5"
(B)MUF9115	Approximately 32"

*Prefix "B" indicates black. Spring included.

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