

## No Ground Plane Elevated Feed Point Antennas

PCTEL's 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



### Technical Data

<b>Maximum Power:</b> 125 watts
<b>Polarization:</b> Vertical
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR at Resonance:</b> < 1.5:1
<b>Radiator Material:</b> .100”-.062” diameter stainless steel; bright or black finish
<b>Spring:</b> Stainless steel; bright or black finish
<b>Phasing Coil Housing:</b> Molded polymer jacket with copper, nickel and chrome plated brass bushing
<b>Rod Ferrule:</b> 5/16”-24 thread; bright or black chrome plated brass
<b>Body:</b> UV stable ABS

### Electrical Specifications

Model*	Frequency Range	Factory Tuned Frequency	Gain	Rod/Coil Type
BMUF7603	760-870 MHz	815 MHz	3 dB	Collinear/Closed
BMUF8073	806-866 MHz	815 MHz	3 dB	Collinear/Closed
BMUF8045	806-866 MHz	815 MHz	5 dB	Trilinear/Open
BMUF8043	806-896 MHz	835 MHz	3 dB	Collinear/Open
(B)MUF8455	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
(B)MUF9115	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

### Mechanical Specifications

Model*	Antenna Height at lowest frequency
BMUF7603	Approximately 38”
BMUF8073	Approximately 23”
BMUF8045	Approximately 33”
BMUF8043	Approximately 23”
(B)MUF8455	Approximately 33”
(B)MUF9115	Approximately 32”



\* Prefix “B” indicates black. Spring included.