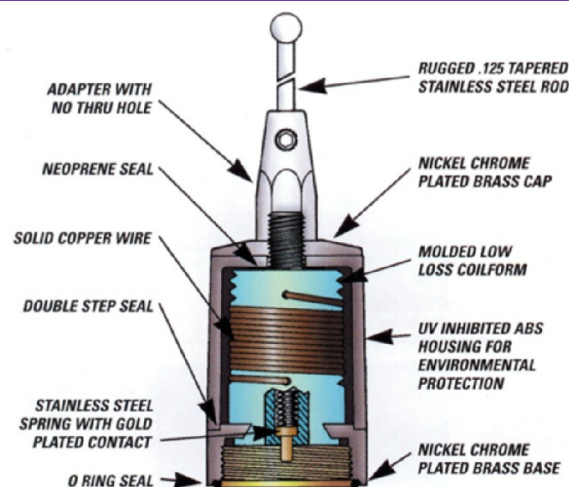


Our Mobile and Transit Antenna lines are suited for Government and Utility applications and result in long term, problem-free installations.

We use stainless steel whips, incorporate high-impact ABS, and gold plated, spring loaded contacts when possible, ensuring long term reliability and performance.

Our multi-band antennas have been developed for transmitting and receiving Data and Voice.

We have also customized many Wideband and Full-Band VHF, UHF, and 700/800/900 MHz antenna models for unique requirements. Please contact a Comprod Inc. Technical support technician for consultation if you require customized antennas.



| Model | Frequency | | | | | | | | Gain | | | | Options | | |
|--------|-----------|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-------|---------|---------|----------|
| | Lo-Band | VHF | 220 | UHF | 700 | 800 | 900 | DUAL | Unity | 2dB | 3dB | 3.5dB | NGP | Black | W/Spring |
| 550-75 | | • | • | • | • | • | • | | • | | | | | 550-75B | |
| 555-75 | | • | • | • | • | • | • | | • | | | | | 555-75B | |
| 552-75 | | • | • | • | | | | | • | | | | | 552-75B | • |
| 565-75 | • | | | | | | | | • | | | | | 565-75B | 565-75S |
| 577-75 | | • | | | | | | | | • | | | • | | 577-75S |
| 578-75 | | | | • | | | | | | • | | | | | |
| 580-75 | | • | | | | | | | | | • | | | 580-75B | 580-75S |
| 583-75 | | | | • | | | | | | | • | | | 583-75B | 583-75S |
| 590-75 | | | | | • | • | • | | | | • | | | 590-75B | |
| 591-75 | | | | | • | • | • | | | | • | | | 591-75B | |
| 592-75 | | | | | • | • | • | | | | • | | | | |
| 595-75 | | | | | • | • | • | | | | | • | | 595-75B | • |
| 599-75 | | | | | | • | • | | | | • | | • | • | • |
| 690-75 | | | | | | • | • | • | | | | | | • | |
| 692-75 | | | | | | | • | • | | | | | | 692-75B | |
| 694-75 | | | | | | • | • | • | | | | | | 694-75B | |
| 696-75 | | | | | | | • | • | | | | | | 696-75B | |
| 357-75 | | • | | | | | | | • | | | | | | |
| 358-75 | | • | | | | | | | • | | | | | | |
| 359-75 | | | | • | | | | | • | | | | | | |
| 360-75 | | | | • | | | | | • | | | | | | |
| 361-75 | | | | | | • | • | | • | | | | | | |
| 362-75 | | | | | • | • | • | | • | | | | | | |

NGP is "No Ground Plane"

LOW BAND

27-54 MHz

Performance: Unity gain, base loaded antenna with a power handling capacity of 200 Watts.

Stylish and Durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert, molded low loss coil form and a spring-loaded gold plated contact.

Broadband: The large diameter coil form used in the construction of the loading coil allows for a wider operational bandwidth and better matching characteristics.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: These antennas mate with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



565-75 Series

| Electrical Specifications | |
|---------------------------|--------------------|
| Frequency Range, MHz | 27-54 |
| Gain, dBd | Unity |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| VSWR | 1.5:1 |
| Bandwidth | 2% of center freq. |

| Mechanical Specifications | |
|---------------------------|----------------------------|
| Radiator: Brite A | Tapered S.S., 0.125 dia. |
| Black B | Tapered S.S., 0.10 dia. |
| Base | ABS, spring loaded contact |
| Length, in | 52 Maximum |
| Mounting | Std. Motorola C, M type |

| Ordering Information | | |
|----------------------|-----------|-----------|
| Frequency | Brite | Black |
| 27-31 MHz | 565-75A-1 | 565-75B-1 |
| 30-35 MHz | 565-75A-2 | 565-75B-2 |
| 34-40 MHz | 565-75A-3 | 565-75B-3 |
| 40-47 MHz | 565-75A-4 | 565-75B-4 |
| 47-54 MHz | 565-75A-5 | 565-75B-5 |

1/4 WAVE BROADBAND

132-512 MHz

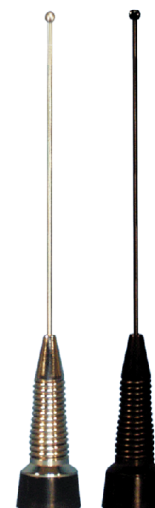
Performance: These antennas provide unity gain in a broad-band design for extra heavy-duty service.

Stylish and Durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. They come with an integrated shock spring and a heavy-duty stainless steel whip that is designed to withstand severe shock.

Reliable: The ABS base has an ultrasonically welded brass insert and a gold plated spring loaded contact.

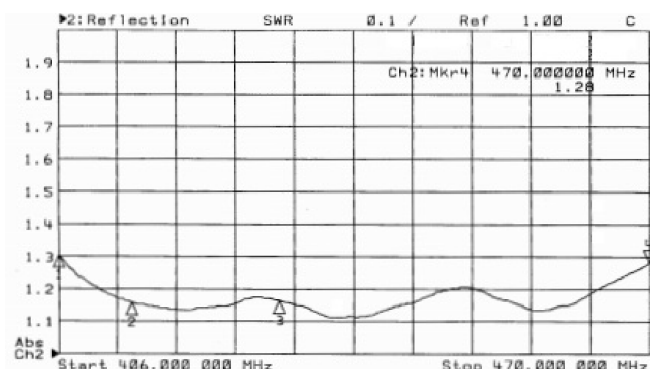
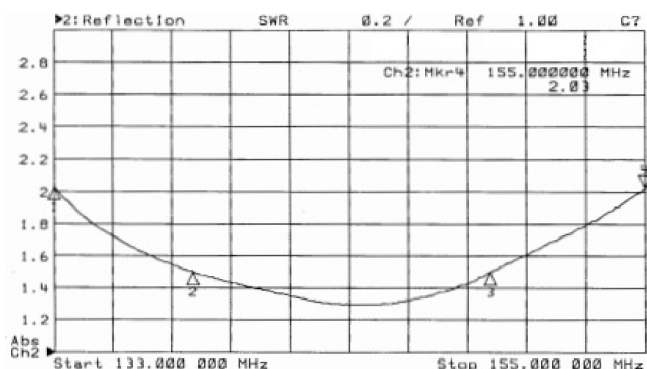
Broadband: This antenna provides 24 MHz of bandwidth using VHF frequencies and 100 MHz of bandwidth at UHF frequencies.

Standard Mounting: All base loaded antennas mate with the standard Motorola C, M type mounting .



552-75 Series

| Electrical Specifications | |
|------------------------------------|---|
| Frequency Range, MHz | 132-512 |
| Gain, dBd | Unity |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 150 |
| Bandwidth / VSWR | VHF - 24MHz @ 2.0:1, UHF - 100MHz @ 2.0:1 |
| Mechanical Specifications | |
| Radiator: Brite A | Tapered S.S. whip., 0.125 dia. |
| Black B | Tapered S.S. whip., 0.10 dia. |
| Base | Ultrasonic brass insert |
| Contact | Spring loaded, gold plated |
| Length, in (mm) | 21.5 (55) at 138MHz |
| Mounting | Motorola C, M type |
| Ordering Information | |
| Description | Model |
| Brite finish, triple plated chrome | 552-75A |
| Black finish | 552-75B |



ECONOMICAL

132-960 MHz

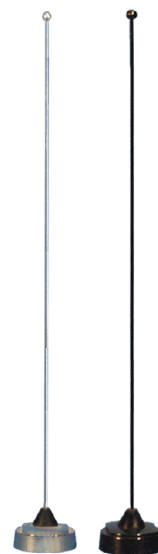
Performance: These antennas provide unity gain in a wide-band design for heavy-duty service.

Stylish and Durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. Triple plated chrome or black finishes are available.

Reliable: The ABS base has an ultrasonically welded brass insert and a gold plated spring loaded contact.

Versatile: They are shipped with a factory tuned whip cut to size based on the customer specified frequency range between 136 MHz and 960 MHz.

Standard Mounting: These antennas mate with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



555-75 Series

| Electrical Specifications | |
|------------------------------------|-------------------------|
| Frequency Range, MHz | 132-960 |
| Gain, dBd | Unity |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| VSWR | 1.5:1 |
| Bandwidth/VSWR | VHF - 12MHz @ 2.0:1 |
| | UHF - 50MHz @ 2.0:1 |
| Mechanical Specifications | |
| Radiator: Brite A | Tapered S.S., 0.10 dia. |
| Black B | Tapered S.S., 0.10 dia. |
| Base | ABS |
| Length, in | 20 maximum |
| Mounting | Std. Motorola C, M type |
| Ordering Information | |
| Description | Model |
| Brite finish, triple plated chrome | 555-75A |
| Black finish | 555-75B |

1/4 WAVE / VHF—UHF—TRUNKING**136-960 MHz**

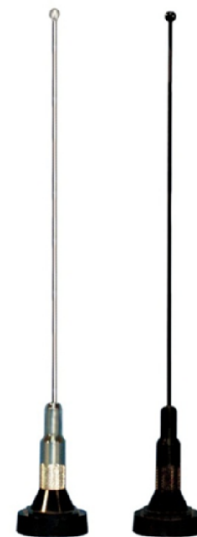
Performance: These antennas provide unity gain in a wideband design for heavy-duty service.

Stylish and Durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. Triple plated chrome or black finishes are available.

Reliable: The ABS base has an ultrasonically welded brass insert and a gold plated spring loaded contact.

Versatile: They are shipped with a 19" whip that can be cut by the customer to any frequency between 136 MHz and 960 MHz according to a cutting chart that is provided. They can also be supplied cut and tested to a specific frequency, at no extra charge.

Standard Mounting: These antennas mate with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



550-75 Series

| Electrical Specifications | |
|---------------------------|---------------------|
| Frequency Range, MHz | 136-960 |
| Gain, dBd | Unity |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 150 |
| Bandwidth/VSWR | VHF - 12MHz @ 2.0:1 |
| | UHF - 50MHz @ 2.0:1 |

| Mechanical Specifications | |
|---------------------------|------------------------------|
| Radiator | S.S. |
| Base | ABS, Ultrasonic brass insert |
| Contact | Spring loaded contact |
| Length, in | 19 maximum |
| Mounting | Std. Motorola C, M type |

| Ordering Information | |
|------------------------------------|---------|
| Description | Model |
| Brite finish, triple plated chrome | 550-75A |
| Black finish | 550-75B |

VHF WIDEBAND / 2 dBd

136-174 MHz

NoGround Plane Antenna

Performance: This broadband 1/2-wave antenna provides 2.0 dBd of gain over its operating bandwidth. No ground plane is needed for this antenna.

Stylish and durable: The antennas are manufactured using the best corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert molded low loss coil form and a spring loaded, gold plated contact.

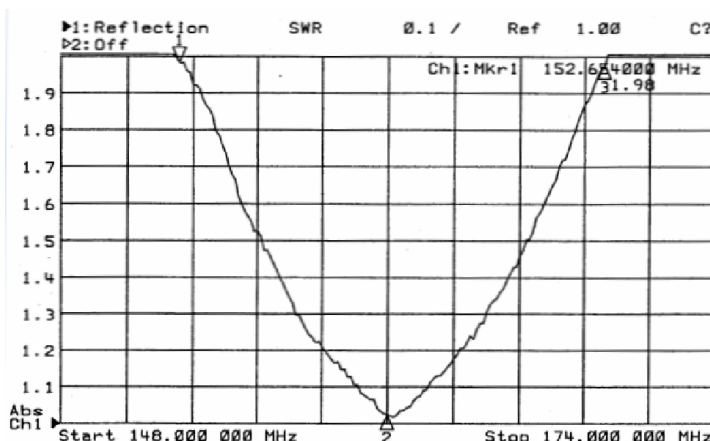
Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola C, M type mount.



577-75 Series

| Electrical Specifications | |
|---------------------------|------------------------------------|
| Frequency Range, MHz | 136-174 |
| Gain, dBd | 2.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 75 |
| Bandwidth/VSWR | VHF - 11MHz @ 1.5:1, 19MHz @ 2.0:1 |
| Mechanical Specifications | |
| Radiator | 17-7 PH S.S. |
| Base | ABS, spring loaded contact |
| Length, in | 52 maximum |
| Mounting | Standard Motorola C, M type |
| Ordering Information | |
| Description | Model |
| Antenna Brite finish | 577-75 |
| With shock spring | 577-75S |



VHF WIDEBAND / 2 dBd

138-174 MHz

Performance: This broadband ½-wave antenna provides 2.0 dB of gain over its operating bandwidth.

Stylish and Durable: The antennas are manufactured using the best corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert moulded low loss coil form and a spring loaded, gold plated contact.

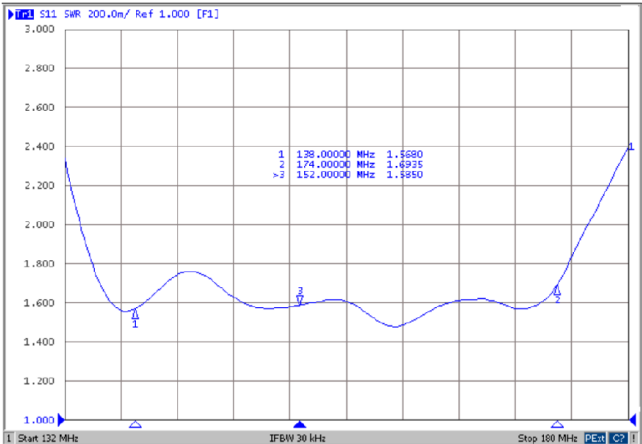
Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard TAD / NMO type mount.



578-75

| Electrical Specifications | | |
|---------------------------|----------------------------|-------------------|
| Frequency Range, MHz | 138-174 | |
| Gain, dBd | 2.0 | |
| Impedance, Ohms | 50 | |
| Power Rating, Watts | 75 | |
| Bandwidth/VSWR | 36MHz, 2.0:1 | |
| Mechanical Specifications | | |
| Radiator | S.S. | |
| Base | ABS, spring loaded contact | |
| Length, in | 36.5 | |
| Mounting | Standard Motorola NMO | |
| Ordering Information | | |
| Description | Standard Model | With Spring Mount |
| Antenna Brite finish | 578-75 | 578-75S |



VHF / 3 dBd

132-174 MHz

Performance: 3 dBd gain is achieved with these premium antennas by featuring a 5/8-wave whip with a base loaded matching coil.

Stylish and durable: The antennas are manufactured using the best corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert molded low loss coil form and a spring loaded, gold plated contact.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



580-75 Series

| Electrical Specifications | |
|---------------------------|---------|
| Frequency Range, MHz | 132-174 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| VSWR | 1.5:1 |
| Bandwidth, MHz | 6 |

| Mechanical Specifications | |
|---------------------------|--------------------------------|
| Radiator: Brite A | Tapered S.S. whip., 0.125 dia. |
| Black B | Tapered S.S. whip., 0.10 dia. |
| Base | ABS, spring loaded contact |
| Length, in | 55 whip |
| Mounting | Standard Motorola NMO type |

| Ordering Information | |
|------------------------------------|----------|
| Description | Model |
| Brite finish, triple plated chrome | 580-75A |
| Black finish | 580-75B |
| With Spring, Brite finish | 580-75S |
| With Spring, Black finish | 580-75BS |

To order with shock spring, add suffix S to part number. Example: 580-75AS-3.

UHF / 3 dBd

406-512 MHz

Performance: 3 dBd gain is achieved with these premium antennas by featuring a 5/8-wave whip with a base loaded matching coil.

Stylish and durable: The antennas are manufactured using the best corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert molded low loss coil form and a spring loaded, gold plated contact.

Broadband: The large diameter coil form used in the construction of the loading coil allows for a wider operational bandwidth and better matching characteristics.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



583-75 Series

| Electrical Specifications | |
|------------------------------|---------|
| Frequency Range, MHz | 406-512 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 1.5:1 VSWR, MHz | 20 |

| Mechanical Specifications | |
|---------------------------|----------------------------|
| Radiator: Brite A | S.S. whip. 0.10 dia |
| Black B | S.S. whip. 0.10 dia |
| Base | ABS, spring loaded contact |
| Length, in | 21 whip |
| Mounting | Standard Motorola NMO type |

| Ordering Information | | |
|----------------------|-----------|-----------|
| Frequency | Brite | Black |
| 406-430MHz | 583-75A-1 | 583-75B-1 |
| 430-450MHz | 583-75A-2 | 583-75B-2 |
| 450-470MHz | 583-75A-3 | 583-75B-3 |
| 470-490MHz | 583-75A-4 | 583-75B-4 |
| 490-512MHz | 583-75A-5 | 583-75B-5 |

To order with shock spring, add suffix S to part number. Example: 580-75AS-3.

CELLULAR—TRUNKING / 3 dBd

806-960 MHz

Performance: 3 dBd gain is achieved with these premium antennas by featuring a 5/8 wave antenna above a 1/4 wave antenna design.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. Triple plated chrome or black finishes available.

Reliable: The ABS base has an ultrasonically welded brass insert and a leaf spring loaded contact for long term reliability.

Standard Mounting: These antennas mate with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



590-75 Series

| Electrical Specifications | |
|------------------------------|---------|
| Frequency Range, MHz | 806-960 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1 VSWR, MHz | 70 |

| Mechanical Specifications | |
|---------------------------|------------------------------|
| Radiator: Brite A | S.S. |
| Black B | S.S. |
| Base | ABS, Ultrasonic brass insert |
| Contact | Spring loaded, gold plated |
| Length, in | 14 maximum |
| Mounting | Standard Motorola NMO type |

| Ordering Information | | | |
|----------------------|-----------|-----------|--|
| Frequency | Brite | Black | |
| 806-866MHz | 590-75A-1 | 590-75B-1 | |
| 825-896MHz | 590-75A-2 | 590-75B-2 | |
| 896-960MHz | 590-75A-3 | 590-75B-3 | |
| 746-806MHz | 590-75A-4 | 590-75B-4 | |

800 LOW COST

750-960 MHz

Performance: 3 dBd gain is achieved with these premium antennas by featuring a 5/8 wave antenna above a 1/4 wave antenna with an open coil design.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. Triple plated chrome or black finishes available.

Reliable: The ABS base has an ultrasonically welded brass insert and a leaf spring loaded contact for long term reliability.

Standard Mounting: These antennas made with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



591-75 Series

| Electrical Specifications | |
|------------------------------|---------|
| Frequency Range, MHz | 750-960 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1 VSWR, MHz | 70 |

| Mechanical Specifications | |
|---------------------------|----------------------------|
| Radiator: Brite A | S.S. whip, 0.10 dia. |
| Black B | S.S. whip, 0.10 dia. |
| Base | Leaf Design |
| Length, in | 15 maximum |
| Mounting | Standard Motorola NMO type |

| Ordering Information | | | |
|----------------------|-----------|-----------|--|
| Frequency | Brite | Black | |
| 806-866MHz | 591-75A-1 | 591-75B-1 | |
| 825-896MHz | 591-75A-2 | 591-75B-2 | |
| 896-960MHz | 591-75A-3 | 591-75B-3 | |
| 746-806MHz | 591-75A-4 | 591-75B-4 | |

CELLULAR—TRUNKING / 3 dBd CLOSED COIL

806-960 MHz

Performance: 3.0 dBd gain is achieved with these premium antennas by featuring a 5/8 wave antenna above a 1/2 wave antenna with a closed coil design.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. Triple plated chrome or black finishes available.

Reliable: The ABS base has an ultrasonically welded brass insert and a leaf spring loaded contact for long term reliability.

Standard Mounting: These antennas mate with the standard Motorola NMO type mount, providing an excellent moisture seal even when the antenna is removed.



592-75 Series

| Electrical Specifications | |
|------------------------------|---------|
| Frequency Range, MHz | 806-960 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1 VSWR, MHz | 70 |

| Mechanical Specifications | |
|---------------------------|------------------------------|
| Radiator: Brite A | S.S. |
| Black B | S.S. |
| Base | ABS, Ultrasonic brass insert |
| Contact | Spring loaded, gold plated |
| Length, in | 16 maximum |
| Mounting | Standard Motorola NMO type |

| Ordering Information | | | |
|----------------------|-----------|-----------|--|
| Frequency | Brite | Black | |
| 806-866MHz | 592-75A-1 | 592-75B-1 | |
| 825-896MHz | 592-75A-2 | 592-75B-2 | |
| 896-960MHz | 592-75A-3 | 592-75B-3 | |
| 746-806MHz | 592-75A-4 | 592-75B-4 | |

CELLULAR—TRUNKING / 3.5 dBd CLOSED COIL

806-970 MHz

Performance: 3.5 dBd gain is achieved with these premium antennas by featuring a 5/8 wave antenna above a 1/4 wave antenna design.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. It comes with an integrated shock spring and a heavy-duty stainless steel whip that is designed to withstand severe shock without suffering permanent damage. It is available in triple plated chrome or black finish.

Reliable: The ABS base has an ultrasonically welded brass insert and a gold plated, spring loaded contact. The silver plated matching coil is fully enclosed to ensure years of dependable service.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type connector.



595-75 Series

| Electrical Specifications | |
|-----------------------------|---------|
| Frequency Range, MHz | 806-970 |
| Gain, dBd | 3.5 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1VSWR, MHz | 70 |

| Mechanical Specifications | |
|---------------------------|-----------------------------|
| Radiator: Brite A | S.S. |
| Black B | S.S. |
| Matching coil | Silver plated enclosed coil |
| Base | ABS, spring loaded contact |
| Contact | Gold plated, spring loaded |
| Length, in | 18 maximum |
| Mounting | Standard Motorola NMO type |

| Ordering Information | | | |
|----------------------|-----------|-----------|--|
| Frequency | Brite | Black | |
| 740-840MHz | 595-75A-4 | 595-75B-4 | |
| 806-866MHz | 595-75A-1 | 595-75B-1 | |
| 825-896MHz | 595-75A-2 | 595-75B-2 | |
| 896-970MHz | 595-75A-3 | 595-75B-3 | |

ELEVATED FEED / 3 dBd

806-960 MHz

Performance: 3 dBd gain is achieved with these premium antennas by featuring a 5/8 wave antenna above a 1/4 wave antenna design with an elevated feed point. This antenna requires no ground plane as a result of its collinear design. The elevated feed design is ideal for the antenna RF signal to clear any nearby obstructions.

Safety: The elevated feed-point design keeps the RF signals above and away from the passenger compartment.

Elegance This elegant black antenna gives a sleek appearance that blends well with the exterior treatments of most late model vehicles.

Dependability: The 599-75 antenna features a built in shock spring and a spring loaded contact for long term dependability.

Standard Mounting: These antennas mate with the standard NMO type mount, providing an excellent moisture seal even when the antenna is removed.



599-75 Series

| Electrical Specifications | |
|-----------------------------|---------|
| Frequency Range, MHz | 806-960 |
| Gain, dBd | 3.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1VSWR, MHz | 70 |

| Mechanical Specifications | |
|---------------------------|----------------------------|
| Radiator | Black S.S. |
| Base | Open coil |
| Contact | Solid brass base |
| Length, in | 23 maximum |
| Mounting | Standard Motorola NMO type |
| Finish | Black |

| Ordering Information | |
|----------------------|---------------------|
| Frequency | Black finish |
| 806-866MHz | 599-75-1 |
| 825-896MHz | 599-75-2 |
| 896-960MHz | 599-75-3 |

DUAL BAND ANTENNAS

806-1970 MHz

Performance: Our premium dual band antennas feature heavy-duty design and excellent performance. Perfect for both voice and data transmission. These antennas are very wide in bandwidth.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. The antenna is low profile, extremely rugged and ideal for commercial applications.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



690-75

| Electrical Specifications | |
|------------------------------|---------------------|
| Frequency (Full Band) | 806-940 / 1710-1970 |
| Gain | Unity |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 200 |
| Bandwidth at 2.0:1 VSWR, MHz | Full Band |

| Mechanical Specifications | |
|---------------------------|------------------------------|
| Radiator | S.S. |
| Base | ABS, Ultrasonic Brass Insert |
| Contact | Gold plated spring loaded |
| Length, in | 4 |
| Mounting | Standard Motorola NMO type |
| Finish | Black |
| Ordering Information | 690-75 |

DUAL BAND ANTENNAS

900-2500 MHz

Performance: Our premium dual band antennas feature heavy-duty design and excellent performance. Perfect for both voice and data transmission. These antennas are very wide in bandwidth.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. The antenna is low profile, extremely rugged and ideal for commercial applications.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



692-75 Series

| Electrical Specifications | | |
|------------------------------|---------------------|---------------------|
| Frequency (Full Band) | 900-930 / 2400-2500 | 900-930 / 2400-2500 |
| Gain, dBd | 2.0 | 2.0 |
| Impedance, Ohms | 50 | 50 |
| Power Rating, Watts | 250 | 250 |
| Bandwidth at 2.0:1 VSWR, MHz | Full Band | Full Band |

| Mechanical Specifications | | |
|---------------------------|----------------------------|----------------------------|
| Base | ABS | ABS |
| Contact | Gold plated spring loaded | Gold plated spring loaded |
| Length, in | 3 | 3 |
| Mounting | Standard Motorola NMO type | Standard Motorola NMO type |
| Finish | White | Black |
| Ordering Information | 692-75W | 692-75B |

DUAL BAND ANTENNAS

806-2000 MHz

Performance: Our premium dual band antennas feature heavy-duty design and excellent performance. Perfect for both voice and data transmission. These antennas are very wide in bandwidth.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. The antenna is low profile, extremely rugged and ideal for commercial applications.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



694-75 Series

| Electrical Specifications | |
|-----------------------------|---------------------|
| Frequency (Full Band) | 806-960 / 1850-1990 |
| Gain, dBd | 2.0 |
| Impedance, Ohms | 50 |
| Power Rating, Watts | 250 |
| Bandwidth at 2.0:1VSWR, MHz | Full Band |

| Mechanical Specifications | |
|---------------------------|----------------------------|
| Base | ABS |
| Contact | Gold plated spring loaded |
| Length, in | 4 |
| Mounting | Standard Motorola NMO type |
| Finish | Black or White |
| Ordering Information | 694-75B or 694-75W |

DUAL BAND ANTENNAS

880-2800 MHz

Performance: Our premium dual band antennas feature heavy-duty design and excellent performance. Perfect for both voice and data transmission. These antennas are very wide in bandwidth.

Stylish and durable: These antennas are manufactured using the best corrosion resistant materials and finishes available. The antenna is low profile, extremely rugged and ideal for commercial applications.

Weatherproof: O-ring seals and overlap construction keeps moisture out of the antenna.

Standard Mounting: All base loaded antennas mate with the standard Motorola NMO type mount.



696-75 Series

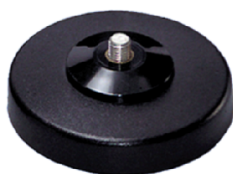
| Electrical Specifications | | |
|-----------------------------|----------------------|-----------------------|
| Frequency (Full Band) | 880-1200 / 2300-2600 | 1100-1500 / 2400-2800 |
| Gain | Unity | Unity |
| Impedance, Ohms | 50 | 50 |
| Power Rating, Watts | 200 | 200 |
| Bandwidth at 2.0:1VSWR, MHz | Full Band | Full Band |

| Mechanical Specifications | | |
|---------------------------|-------------------------------|-------------------------------|
| Radiator | Polyester Coated Brass | Polyester Coated Brass |
| Base | ABS, Ultrasonic, Brass insert | ABS, Ultrasonic, Brass insert |
| Contact | Gold plated spring loaded | Gold plated spring loaded |
| Length, in | 2.75 | 2.75 |
| Mounting | Standard Motorola NMO type | Standard Motorola NMO type |
| Finish | Black | Black |
| Ordering Information | 696-75B | 696-75-1B |

MOBILE ANTENNAS / ACCESSORIES



MGAS 545-75



MGLAS 546-75



547-75



548-75



MMM



TMBM



MMNMO



BSMN

MOBILE ANTENNAS / ACCESSORIES / ADAPTERS

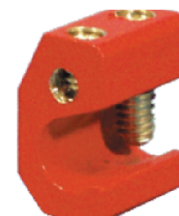
| | |
|---------|--|
| 412-75 | Stainless Steel Trunk Groove Mounting Bracket (3/8" hole) |
| 412M-75 | Stainless Steel Trunk Groove Mounting Bracket (3/4" hole) |
| 435-75 | Rubber Hole Plug / 3/8" Hole Diameter |
| 451-75 | Universal Base Mount |
| 453-75 | Straight Whip (24" Length) + 5/16 - 24 Thread Adapter |
| 455-75 | Unity Gain Whip and Base (451-75 + 453-75) |
| 456-75 | Cable Kit / 15ft of RG-58U + PL-259 + UG-175U |
| 545-75 | Magnet Mount Kit, Motorola Base, 12 ft. RG58A/U, PL-259 |
| 546-75 | Magnet Mount Kit, 5/16" Stud Mount, 12 ft. RG58A/U, PL-259 |
| 547-75 | Trunk Mount Kit, Motorola Base, 17 ft. RG58A/U, PL-259 |
| 548-75 | Trunk Mount Kit, 5/16" Stud Mount, 17 ft. RG58A/U, PL-259 |
| 551-75 | C-Mount (3/8"-3/4") c/w 17 ft. RG58A/U, PL-259 |
| 634-75 | Rubber Hole Plug 7/8" Hole Diameter |
| TMBM | Trunk Mount Stainless Steel |
| MMNMO | Mirror Mount Kit, Motorola Base, 12 ft. RG-58A/U, PL-259 |
| BSMN | Mirror Mount, Motorola Base, UHF Connector |
| WAB | Whip Adapter, Black |
| WAC | Whip Adapter, Chrome |
| A1001A | Battery Tap (5 Individually packed) |



Whip Adapter—Black



Whip Adapter—Chrome



Battery Tap A1001A

MOBILE ANTENNAS / ACCESSORIES

UTBM



Mount Terminates as Mini-UHF.

UTBM-UHF



Mount Terminates as UHF.

UTBM-NM



Mount Terminates as N Female.

UTCR



Celling Mounts Terminates as Mini-UHF.

UNIBKT



Mobile-to-base adapter only,
includes hose clamps.

BSMO-150



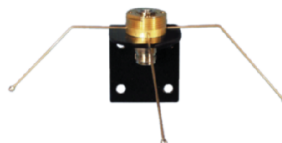
VHF mobile-to-base adapter w/artificial ground plane, N Female connector.

BSMO-450



UHF mobile-to-base adapter w/artificial ground plane, N Female connector

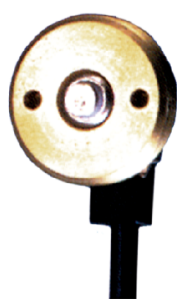
BSMO-800



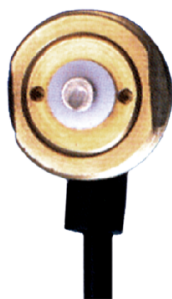
800-900 mobile-to-base adapter w/artificial ground plane, N Female connector.

MOBILE ANTENNAS / ACCESSORIES

MOBILE MOUNTS



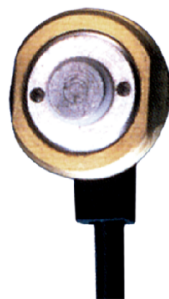
C TYPE
All Brass
3/8"-3/4" Hole



MB TYPE
All Brass
3/4" Hole



M TYPE
Standard
3/4" Hole



MH TYPE
Standard
Hi Dist Cap



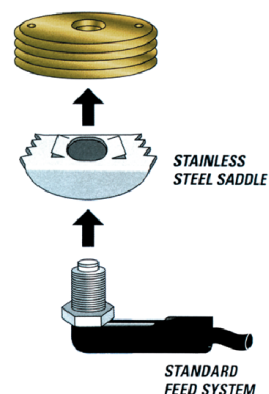
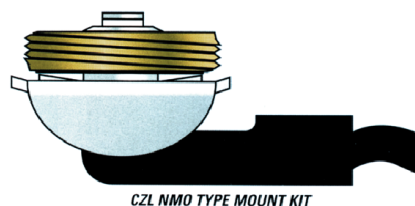
MHB TYPE
All Brass
Hi Dist Cap



ASC TYPE
All Brass
Male/Female

CABLE KITS

Comprod Inc.'s brass mounts and cable kits are among the best in the Industry. The cable kits present a consistent 50 Ohms impedance to match our mobile antennas, ensuring that our customers receive the best combined performance from the antennas and the cable kits. The quality of our designs is one of the factors that allows our wideband models to outperform the competition.



| | | | |
|---------|-----|-----------|-------------------------------------|
| 551-75 | C | All Brass | 3/4-3/8 inch mount only |
| 551A-75 | M | Standard | 3/4 inch mount only |
| 551B-75 | MB | All Brass | 3/4 inch mount only |
| 551C-75 | MH | Standard | 3/4 inch mount only (large contact) |
| 551D-75 | MHB | All Brass | 3/4 inch mount only (large contact) |
| 551E-75 | ASC | All Brass | 3/4-3/8 inch k166 type mount |

CONNECTORS

We carry and stock a complete line of connectors. Please contact a Comprod Inc. Technical support technician for additional information.



MOBILE ANTENNAS / ACCESSORIES

| RG-58A/U Stranded | RG-58/U Solid | ANTENNA MOUNTS WITH 17 Ft of RG-58A/U Stranded Center or RG-58/U solid center cable |
|----------------------|------------------|--|
| 551-75CA | 551-75CU | C Mount No Connector |
| 551A-75CA | 551A-75CU | M Mount No Connector |
| 551B-75CA | 551B-75CU | MB Mount No Connector |
| 551E-75CA | 551E-75CU | ASC Mount No Connector |
| 551-75CA-01 | 551-75CU-01 | C Mount Crimp TNC |
| 551A-75CA-01 | 551A-75CU-01 | M Mount Crimp TNC |
| 551B-75CA-01 | 551B-75CU-01 | MB Mount Crimp TNC |
| 551E-75CA-01 | 551E-75CU-01 | ASC Mount Crimp TNC |
| 551-75CA-02 | 551-75CU-02 | C Mount Crimp BNC |
| 551A-75CA-02 | 551A-75CU-02 | M Mount Crimp BNC |
| 551B-75CA-02 | 551B-75CU-02 | MB Mount Crimp BNC |
| 551E-75CA-02 | 551E-75CU-02 | ASC Mount Crimp BNC |
| 551-75CA-03 | 551-75CU-03 | C Mount Teflon PL-259 |
| 551A-75CA-03 | 551A-75CU-03 | M Mount Teflon PL-259 |
| 551B-75CA-03 | 551B-75CU-03 | MB Mount Teflon PL-259 |
| 551E-75CA-03 | 551E-75CU-03 | ASC Mount Teflon PL-259 |
| 551-75CA-04 | 551-75CU-04 | C Mount Crimp Mini UHF |
| 551A-75CA-04 | 551A-75CU-04 | M Mount Crimp Mini UHF |
| 551B-75CA-04 | 551B-75CU-04 | MB Mount Crimp Mini UHF |
| 551E-75CA-04 | 551E-75CU-04 | ASC Mount Crimp Mini UHF |
| 551-75CA-05 | 551-75CU-05 | C Mount Solder N |
| 551A-75CA-05 | 551A-75CU-05 | M Mount Solder N |
| 551B-75CA-05 | 551B-75CU-05 | MB Mount Solder N |
| 551E-75CA-05 | 551E-75CU-05 | ASC Mount Solder N |
| 551-75CA-06 | 551-75CU-06 | C Mount Crimp PL-259 |
| 551A-75CA-06 | 551A-75CU-06 | M Mount Crimp PL-259 |
| 551B-75CA-06 | 551B-75CU-06 | MB Mount Crimp PL-259 |
| 551E-75CA-06 | 551E-75CU-06 | ASC Mount Crimp PL-259 |
| 551-75CA-07 | 551-75CU-07 | C Mount Crimp N |
| 551A-75CA-07 | 551A-75CU-07 | M Mount Crimp N |
| 551B-75CA-07 | 551B-75CU-07 | MB Mount Crimp N |
| 551E-75CA-07 | 551E-75CU-07 | ASC Mount Crimp N |

MOBILE ANTENNAS / ACCESSORIES

MAGNET MOUNTS WITH 12FT OF RG-58A/U CABLE

| | |
|-----------|-----------------------------|
| 545-75-01 | Magnet Mount with TNC |
| 545-75-02 | Magnet Mount with BNC |
| 545-75-03 | Magnet Mount with PL-259 |
| 545-75-04 | Magnet Mount with Mini UHF |
| 545-75-05 | Magnet Mount with Type N |
| 545-75-06 | Magnet Mount with Crimp UHF |
| 545-75-07 | Magnet Mount with Crimp N |
| 546-75-01 | Magnet Mount with TNC |
| 546-75-02 | Magnet Mount with BNC |
| 546-75-03 | Magnet Mount with PL-259 |
| 546-75-04 | Magnet Mount with Mini UHF |
| 546-75-05 | Magnet Mount with Type N |
| 546-75-06 | Magnet Mount with Crimp UHF |
| 546-75-07 | Magnet Mount with Crimp N |

TRUNK MOUNTS WITH 17FT OF RG-58A/U CABLE

| | |
|-----------|----------------------------|
| 547-75-01 | Trunk Mount with TNC |
| 547-75-02 | Trunk Mount with BNC |
| 547-75-03 | Trunk Mount with PL-259 |
| 547-75-04 | Trunk Mount with Mini UHF |
| 547-75-05 | Trunk Mount with Type N |
| 547-75-06 | Trunk Mount with Crimp UHF |
| 547-75-07 | Trunk Mount with Crimp N |
| 548-75-01 | Trunk Mount with TNC |
| 548-75-02 | Trunk Mount with BNC |
| 548-75-03 | Trunk Mount with PL-259 |
| 548-75-04 | Trunk Mount with Mini UHF |
| 548-75-05 | Trunk Mount with Type N |
| 548-75-06 | Trunk Mount with Crimp UHF |
| 548-75-07 | Trunk Mount with Crimp N |

MOBILE ANTENNAS / ACCESSORIES

MOUNTING BRACKETS

| | |
|-------|--|
| TMBC | Stainless Trunk L 3/8 inch Hole (Brite) |
| TMBM | Stainless Trunk L 3/4 inch Hole (Brite) |
| TMBCB | Stainless Trunk L 3/8 inch Hole (Black) |
| TMBMB | Stainless Trunk L 3/4 inch Hole (Black) |
| MMM | Mirror Mount Bracket |
| MMCB | Mirror Mount CB with 12 ft. of coax., PL-259 |
| MMCM | Mirror Bracket, C-Mount & 12 ft. Coax. |

UNIVERSAL THICK BODY MOUNT

| | |
|------|---|
| UTBM | Mount Terminates as Mini-UHF, Maximum Thickness 5/8 inch Order Cable Kits Separately |
|------|---|

MOBILE ANTENNA PARTS

Description

| | |
|----------|--|
| DBW | Dual Band Whip 0.10 |
| DBWB | Dual Band Whip 0.10, Black |
| WPDB33 | Dual Band Whip Assembly, 4 dB |
| WPDB33B | Dual Band Whip Assembly, 4 dB, Black |
| QWP | 20 inch Stainless Whip 0.10 |
| QWPB | 20 inch Stainless Whip 0.10, Black |
| WPBL125 | 52 inch Stainless Taper Whip 0.125 |
| WPBL100 | 52 inch Stainless Taper Whip 0.10 |
| WPBL100B | 52 inch Stainless Taper Whip 0.10, Black |
| EFW | Elevated Feed Whip Assembly |
| WP85A-X | 3.5 dB Whip Assembly 800 MHz |
| WP85B-X | 3.5 dB Whip Assembly 800 MHz, Black |
| WP855A-X | 5 dB Whip Assembly 800 MHz |
| WP855B-X | 5 dB Whip Assembly 800 MHz, Black |
| WP45A-X | 3.5 dB Whip Assembly 450 MHz |
| WP45B-X | 3.5 dB Whip Assembly 450 MHz, Black |
| WPBL45AX | 5 dB Base Load Whip 450 MHz |
| WPBL45BX | 5 dB Base Load Whip 450 MHz, Black |

VHF / TRANSIT ANTENNAS

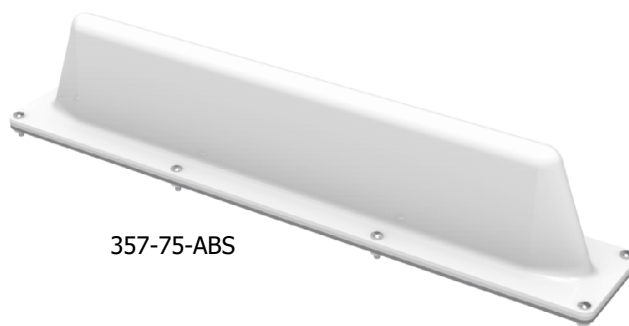
138-174 MHz

The Comprod Inc.'s line of VHF transit antennas is a low profile rugged alternative to a 1/4 wave whip mobile antenna. When mounted on a horizontal surface, maximum radiation is omnidirectional and vertically polarized.

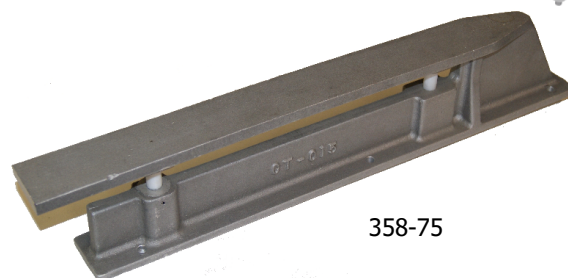
These antennas are an excellent choice for low clearance applications such as those found on trains, public transit vehicles, construction equipment and police vehicles.

The model 357-75-ABS is a folded 1/4 wavelength section of aluminum tube housed in an impact resistant ABS radome. To ensure a moisture proof installation, the model 357-75-ABS is supplied with a mounting gasket.

The model 358-75 is a high strength cast aluminum design. The antenna can be coated for additional protection against harsh environmental conditions. To ensure a moisture proof installation, the model 358-75 is supplied with an O-ring.



357-75-ABS

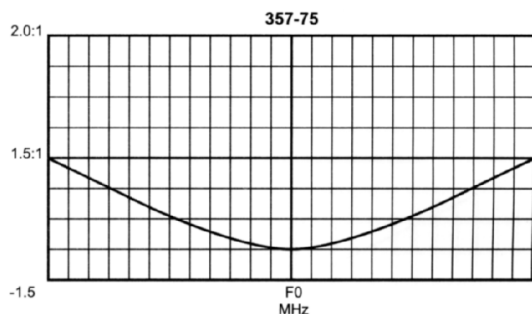


358-75

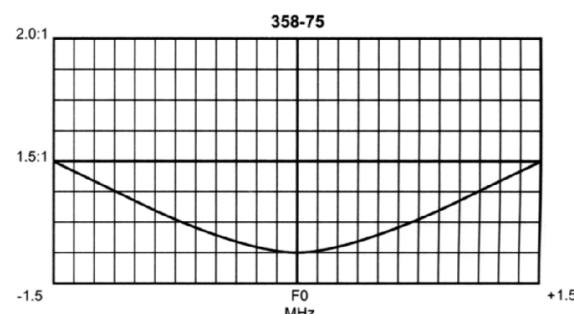
| Electrical Specifications | 357-75-ABS | 358-75 |
|------------------------------------|----------------------|----------------------|
| Nominal Gain | Unity | Unity |
| Maximum Power, Watts | 150 | 150 |
| Frequency Range, MHz | 148-174 | 138-174 |
| Bandwidth VSWR: 1.5:1, MHz | 3.0 | 3.0 |
| Bandwidth VSWR: 2.0:1, MHz | 4.5 | 4.5 |
| Nominal Impedance, Ohms | 50 | 50 |
| Radiation Pattern | Omni | Omni |
| Polarization | Vertical | Vertical |
| Radome Material | High Impact ABS | n/a |
| Connector | UHF / BNC / N Female | UHF / BNC / N Female |
| Height, in (mm) | 4 (102) | 4 (102) |
| Length, in (mm) | 21 (533) | 23-1/2 (597) |
| Width, in (mm) | 3 (76) | 2-1/8 (54) |
| Weight, lbs (kg) | 2.1 (0.945) | 6 (2.7) |
| Minimum Ground Plane Size, in (mm) | 36 x 48 (914 x 1219) | 36 x 48 (914 x 1219) |

Ordering information:

- Specify exact frequency
- Specify connector type, UHF, BNC or N Female



357-75



358-75

UHF / TRANSIT ANTENNAS

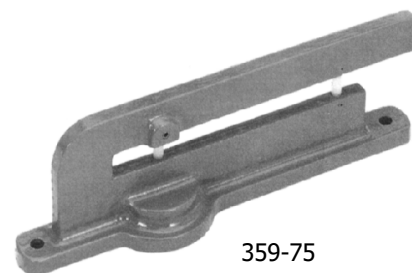
406-512 MHz

The Comprod Inc.'s line of UHF transit antennas is a low profile rugged alternative to 1/4 wave whips. When mounted on a horizontal surface, maximum radiation is omnidirectional and vertically polarized.

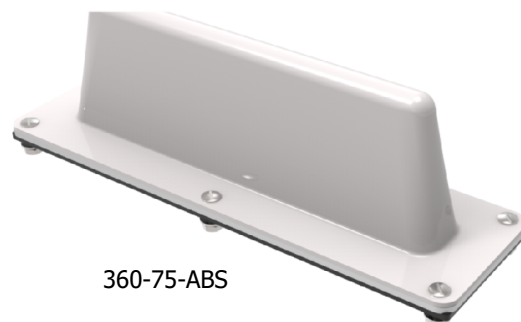
These antennas are an excellent choice for low clearance applications such as those found on trains, public transit vehicles, construction equipment and police vehicles.

The model 359-75 is a high strength cast aluminum design. The antenna can be coated for additional protection against harsh environmental conditions. To ensure a moisture proof installation, the model 359-75 is supplied with an O-ring.

The model 360-75-ABS is a folded 1/4 wavelength section of aluminum tube housed in an impact resistant ABS radome. To ensure a moisture proof installation, the model 360-75-ABS is supplied with a mounting gasket.



359-75

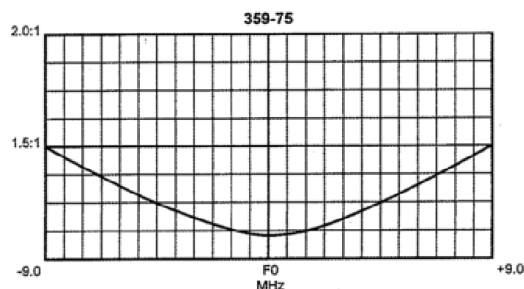


360-75-ABS

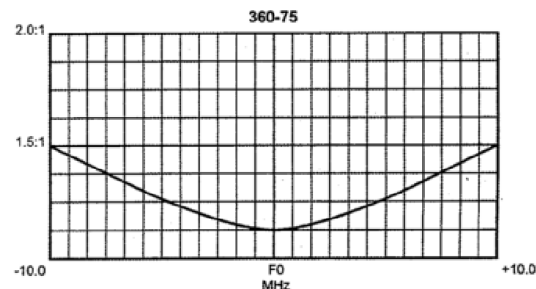
| Electrical Specifications | 359-75 | 360-75-ABS |
|------------------------------------|----------------------|----------------------|
| Nominal Gain | Unity | Unity |
| Maximum Power, Watts | 125 | 125 |
| Frequency Range, MHz | 406-512 | 406-512 |
| Bandwidth VSWR: 1.5:1, MHz | 18 | 20 |
| Bandwidth VSWR: 2.0:1, MHz | 27 | 40 |
| Nominal Impedance, Ohms | 50 | 50 |
| Radiation Pattern | Omnidirectional | Omnidirectional |
| Polarization | Vertical | Vertical |
| Radome Material | N/A | High Impact ABS |
| Connector | UHF / BNC / N Female | UHF / BNC / N Female |
| Height, in (mm) | 2-1/2 (64) | 3 (76) |
| Length, in (mm) | 8 (203) | 11 (279) |
| Width, in (mm) | 2 (51) | 3-1/4 (83) |
| Weight, lbs (kg) | 0.75 (0.338) | 1 (0.45) |
| Minimum Ground Plane Size, in (mm) | 20 x 16 (508 x 406) | 20 x 16 (508 x 406) |

Ordering information:

- Specify center frequency
- Specify connector type, UHF, BNC or N Female



359-75



360-75

800 MHz TRANSIT ANTENNAS

760-960 MHz

The Comprod Inc.'s line of radome transit antennas for operation in the 806-960 MHz band consists of compact, low profile antennas in weather-proof ABS radomes. When mounted on a horizontal surface, maximum radiation is omnidirectional and vertically polarized.

These antennas are an excellent choice for low clearance applications such as those found on trains, mass transit vehicles, construction equipment and police and emergency vehicles.

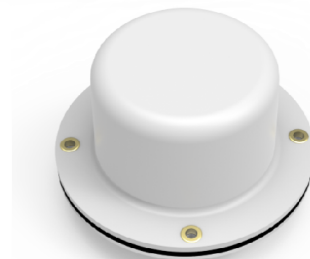
The 361-75-ABS model is a space diversity design that provides greater communication reliability in a poor environment. To ensure a moisture proof installation, the 361-75-ABS model is supplied with an O-ring.

The 362-75-ABS model is a standard, folded radiator housed in a sturdy high-impact ABS radome. To ensure a moisture proof installation, the 362-75-ABS model is supplied with a mounting gasket.

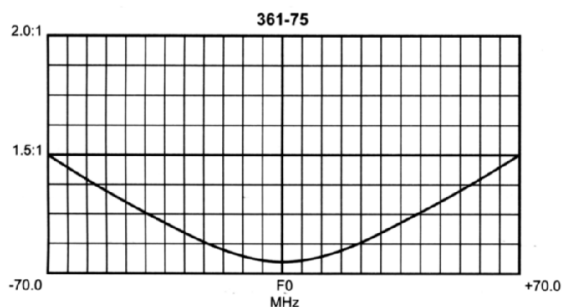
361-75-ABS



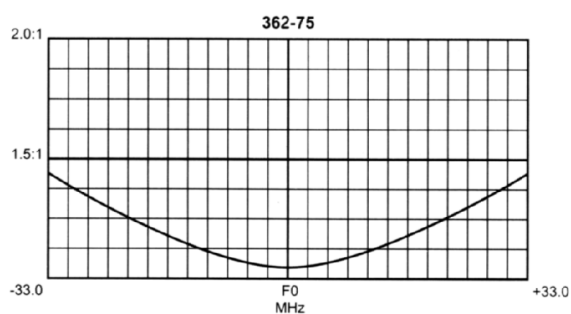
362-75-ABS



| Electrical Specifications | 361-75-ABS | 362-75-ABS |
|------------------------------------|---------------------|---------------------|
| Nominal Gain | Unity | Unity |
| Maximum Power, Watts | 50 | 125 |
| Frequency Range, MHz | 806-960 | 760-960 |
| Bandwidth VSWR: 1.5:1, MHz | 140 | 66 |
| Bandwidth VSWR: 2.0:1, MHz | N/A | 100 |
| Nominal Impedance, Ohms | 50 | 50 |
| Radiation Pattern | Omnidirectional | Omnidirectional |
| Polarization | Vertical | Vertical |
| Radome Material | High Impact ABS | High Impact ABS |
| Connector | N Female | N Female |
| Height, in (mm) | 3.15 (80) | 2 (51) |
| Diameter, in (mm) | 9.3 (236) | 4.5 (114) |
| Weight, lbs (kg) | 2.5 (1.15) | 0.375 (0.169) |
| Minimum Ground Plane Size, in (mm) | 14 x 14 (355 x 355) | 10 x 10 (254 x 254) |



361-75



362-75