



The Antenna Professionals



GENERAL AVIATION ANTENNAS

Clearly better performance—at any altitude.

RAMI antennas are known for their streamlined aesthetics, great value, and for what really matters when you're navigating at 24,000 feet: reliable performance. By maintaining our focus on antennas and keeping all of our design and manufacturing in house, the improvements will just keep on coming.

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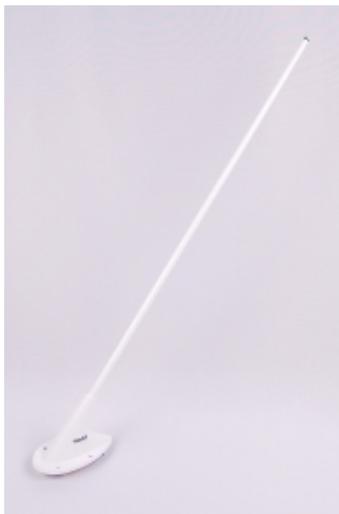
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COM



AV-10

Frequency: 118–137 MHz

The AV-10 is designed for high-performance aircraft applications. It exhibits excellent electrical characteristics and incorporates an efficient aerodynamic 4-bolt mounting base. The antenna essentially matches the styling of the communication antennas currently used on most singles and light twins. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 2.70 lb @ 250 mph. This antenna is a direct replacement for the CI 121.



Antenna AV-17

Frequency: 118–137 MHz

The AV-17 is designed specifically for mounting to the underside of an aircraft, providing an excellent radiation pattern for air-to-ground communications. It has a 4-bolt mounting base and is low in profile. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.66 lb @ 250 mph. This antenna is a direct replacement for the CI 122.



AV-529

Frequency: 118–137 MHz

The AV-529 is designed for broadband communications (118-137 MHz). It has a die-cast aluminum base and a uniquely designed radiator encapsulated in a fiberglass whip. The antenna is supplied with a weather-sealing gasket and mounting hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes of 50,000 ft. It has a drag force of 3.43 lb @ 250 mph. The antenna is a direct replacement for the CI 291.



AV-530

Frequency: 118–137 MHz

The AV-530 is designed for broadband communications. The antenna has a die-cast aluminum base and a tapered stainless steel whip for less drag at higher airspeeds. It is supplied with a weather-sealing gasket and mounting hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 1.65 lb @ 250 mph. This antenna is a direct replacement for the CI 292-1.



AV-534

Frequency: 118–137 MHz

The AV-534 is a heavy-duty stainless steel quarterwave VHF communications antenna. It is manufactured with a durable type stainless steel whip and large stress-relieved ferrule and comes complete with porcelain insulators and mounting hardware. The antenna is designed to operate at speeds of up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.56 lb @ 250 mph.



AV-534L

Frequency: 118–137 MHz

The AV-534L is a heavy-duty stainless steel quarterwave VHF communications antenna. It is manufactured with a durable type stainless steel whip and large stress-relieved ferrule and comes complete with porcelain insulators and mounting hardware. The antenna is designed to operate at speeds of up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.56 lb @ 250 mph. An 8 ft. transmission line with connectors is also supplied.



AVT-4

Frequency: 118–137 MHz

The AVT-4 is a broad-band VHF communications antenna. It incorporates a low drag blade housing design made of LURAN-S plastic for high strength and a radiating element encapsulated in rigid polyurethane foam. The housing is finished with a Skydrol resistant white polyurethane paint and comes with mounting hardware and neoprene mounting pad. The antenna is designed to operate at speeds up to 350 mph and altitudes of 50,000 ft. It has a drag force of 0.85 lb. @ 250 mph.

VOR/LOC/GS



AV-12

Frequency: 108–118, 328–336 MHz

The AV-12 is a VOR receive only antenna which uses a highly efficient technique of molding the elements directly into a high-impact thermo-setting bakelite center insulator. The stainless steel elements are ground to close tolerances to provide a low profile. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.92 lb @ 250 mph.



AV-12L

Frequency: 108–118, 328-336 MHz

The AV-12L is a VOR/LOC/GS receive only antenna which uses a highly efficient technique of molding the elements directly into a high-impact thermo-setting bakelite center insulator. The stainless steel elements are ground to close tolerances to provide a low profile. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.92 lb @ 250 mph. A 25-ft. transmission line with integral balun transformer is also supplied.



AV-520

Frequency: 108–118 MHz
329-335 MHz

The AV-520 is a “V” style VOR/LOC/GS antenna utilizing detachable painted stainless steel elements and internal balun transformer. The antenna is rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 159C.



AV-525

Frequency: 108-118 MHz (VOR/LOC)
329-335 MHz (GS)

The AV-525 is a VOR/LOC/GS antenna similar in style to the AV-12 but utilizes an internal balun transformer. The antenna is rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 157P.



AV-532

Frequency: 108–118, 328-336 MHz

The AV-532 is a VOR/LOC/GS receive only antenna which consists of taper ground high-strength 17-7PH stainless steel elements to reliably withstand vibration and wind loads. The insulators are weather-sealed compression-molded bakelite with the mounting holes provided. The unit may be mounted with the V pointed either forward or aft. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 3.42 lb @ 250 mph.



AV-532L

Frequency: 108–118, 328-336 MHz

The AV-532 is a VOR/LOC/GS receive only antenna which consists of taper ground high-strength 17-7PH stainless steel elements to reliably withstand vibration and wind loads. The insulators are weather-sealed compression-molded bakelite with the mounting holes provided. The unit may be mounted with the V pointed either forward or aft. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 3.42 lb @ 250 mph. A 30 ft. transmission line with integral balun is also supplied.

Transponder/DME



AV-74

Frequency: 960–1220 MHz

The AV-74 is a broadband blade type antenna for transponder or DME application. The antenna housing is constructed of an acrylonitrile-styrene-acrylic (ASA) shell. The white color allows maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.09 lbs @ 250 mph. This antenna is a direct replacement for the CI-105.



AV-74 (-1)

Frequency: 960–1220 MHz

The AV-74(-1) is a broadband blade type antenna for transponder or DME application. The antenna has longer mounting studs for thicker mounting locations. Its housing is constructed of acrylonitrile-styrene-acrylic (ASA) shell. The white color allows maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.09 lbs @ 250 mph. This antenna is a direct replacement for the CI 105-16.

Transponder



AV-22

Frequency: 1030-1090 MHz

The AV-22 is a rod style transponder antenna utilizing its BNC connector for mounting to the airframe. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet. It has a drag force of 0.41 lbs @ 250 mph. It is a direct replacement for the CI 101.

Marker Beacon



AV-569

Frequency: 75 MHz

The AV-569 is a Boat Type Marker Beacon antenna designed for very low drag. It is constructed of an acrylonitrile-styrene-acrylic (ASA) shell with the internal parts encapsulated in rigid urethane foam for mechanical and electrical stability. The white color allows maximum performance without losses due to color pigments or unseen dirt. It is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.20 lb @ 250 mph.



AV-64

Frequency: 75 MHz

The AV-64 is a boat type marker beacon antenna designed for very low drag. It is constructed of an acrylonitrile-styrene-acrylic (ASA) shell with the internal parts encapsulated in rigid urethane foam for mechanical and electrical stability. The white color allows for maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.22 lbs @ 250 mph. This antenna is a direct replacement for the CI 102.

GPS



AV-GPS

Frequency: 1575 ± 2 MHz

The RAMI model AV-GPS is a permanently mounted external aircraft antenna designed for use with GPS receivers which provide +5 volts DC on their antenna connector. It is an active (amplified) antenna providing an average of 26 dB gain over a passive (non-amplified) antenna. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.18 lb @ 250 mph. (Not FAA TSO'd)

Antenna Duplexers/Splitters



AV-547

Frequency: 108–118 MHz

The AV-547 splitter feeds two navigation receivers from one antenna. The matching circuitry is enclosed in a durable, light weight aluminum housing for superior mechanical and environmental stability. The splitter operates at altitudes of up to 50,000 ft. This product is a direct replacement for the CI 502.



AV-570

Frequency: 108-118, 328-335 MHz

The AV-570 diplexer splits the signal from a VOR-Type NAV antenna to feed a NAV/LOC and a GS receiver. The diplexer construction is similar to the AV-547 splitter and operates at altitudes up to 50,000 ft. This product is a direct replacement for the CI 507.



AV-571

Frequency: 108-118, 328-335 MHz

The AV-571 diplexer/splitter splits the signal from a VOR-Type antenna to feed two NAV and one Glide Slope receivers. The diplexer/splitter's construction is similar to the AV-547 splitter and operates altitudes up to 50,000 ft. This product is a direct replacement for the CI 505.



AV-575

Frequency: 75 MHz

The AV-575 antenna is a marker beacon antenna splitter allowing two receivers to share the same antenna. It is a direct replacement for the CI 509.



AV-585

Frequency: 108-118 MHz
328-336 MHz

The AV-585 antenna is a diplexer/splitter providing (2) VOR/ LOC and (2) GS outputs from one VOR/LOC/GC antenna. It is a direct replacement for the CI 1125.

Base Station



AV-1

Frequency: 118–137 MHz

The AV-1 is a base station antenna for communications with ground vehicles or aircraft. It has heavy-duty construction with 3/8" diameter aluminum radials and a 1" diameter aluminum tube radiator. These elements are treated with a "hexavalent free" passivation process per MIL-81706 and MIL-5541 for superior durability. It mounts easily to a 1" diameter pipe or a 1-1/4" O.D. tube with locking set screws. A built-in gap-type lightning arrestor is an important design feature. The antenna requires no additional tuning and is designed to withstand windspeeds of up to 100 mph.



AV-5

Frequency: 118–137 MHz

The AV-5 is an economical Ground Plane base station antenna. It is ideally suited for use with Unicom transceivers and is field tunable to optimize VSWR at desired frequency. Durably constructed of high quality materials for a long operational life, the antenna is designed to withstand windspeeds up to 100 mph.

ELT



AV-100

Frequency: 121.5 MHz, 406 MHz

This antenna is intended for use with an ELT (Emergency Locator Transmitter) for general aviation. It has a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots).



AV-200

Model Number: AV-200

Part Number: AV-200

Frequency: 121.5 and 406 MHz

The AV-200 ELT antenna is intended for use with a 406 MHz ELT (Emergency Locator Transmitter) for General Aviation. It is a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots). It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown related rotor frequencies.



AV-300

Frequency: 121.5, 243, and 406 MHz

The AV-300 ELT antenna is intended for use with a 406 MHz ELT (Emergency Locator Transmitter) for General Aviation. It is a passive three frequency fiberglass rod whip antenna, designed for low speed aircraft (up to 350 knots). It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown rotor frequencies.

Ground Vehicular



AV-3

Frequency: 108–512 MHz (Field Tunable)

The AV-3 is a low profile snap-in mounting quarterwave antenna for use on surface vehicles. It has a solderless cable connection at the antenna and is supplied with 17 ft. of cable and PL-529 connector. The antenna is field tunable by simply cutting the whip to the required length.



AV-7-1A



AV-7-3F



AV-7-2M

AV-7F

Frequency: 118–137 MHz

The AV-7F is a high performance vehicular antenna for use on all surface vehicles where communications on the aircraft VHF COM frequency band is required. Heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a magnetic or fixed "NMO" base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz and can be purchased as a complete package or separate antenna and mounting base.

AV-7M Antenna with magnetic base; 12' cable with "BNC" connector attached

AV-7F Antenna with fixed mount base; 17' cable with "BNC" connector not attached

AV-7-1A Antenna only (overall length 44.5")

AV-7-2M Magnetic base only; 12' cable with "BNC" connector attached

AV-7-3F Fixed mount base only; 17' cable with "BNC" connector not attached



AV-7-1A



AV-7-3F



AV-7-2M

AV-7M

Frequency: 118–137 MHz

The AV-7M is a high performance vehicular antenna for use on all surface vehicles where communications on the aircraft VHF COM frequency band is required. Heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a magnetic or fixed "NMO" base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz and can be purchased as a complete package or separate antenna and mounting base.

AV-7M	Antenna with magnetic base; 12' cable with "BNC" connector attached
AV-7F	Antenna with fixed mount base; 17' cable with "BNC" connector not attached
AV-7-1A	Antenna only (overall length 44.5")
AV-7-2M	Magnetic base only; 12' cable with "BNC" connector attached
AV-7-3F	Fixed mount base only; 17' cable with "BNC" connector not attached

Cable Assemblies



AV-6

The AV-6 is a cable assembly consisting of 50 ft. of RG-58/U low loss transmission line, a PL-259 connector at one end and a BNC male connector at the other. The cable assembly is commonly used with the AV-1 and AV-5 Ground Based Antennas.