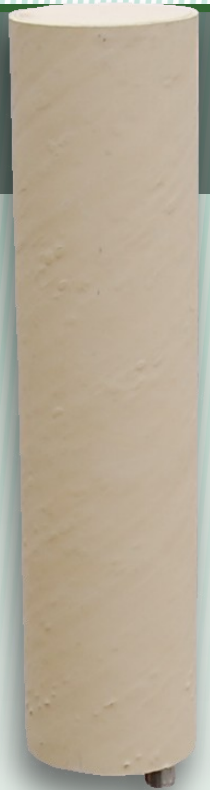


BM-03A

Wide Band Omni-Directional Antenna

The BM-03A antennas are wide band, biconical transmit and receive antennas. The 360 degree coverage provided by the BM-03A makes it ideal for use on vehicles and in electronic warfare applications. Antennas are hand-built and sealed within a fiberglass radome, also making them ideal for outdoor use.

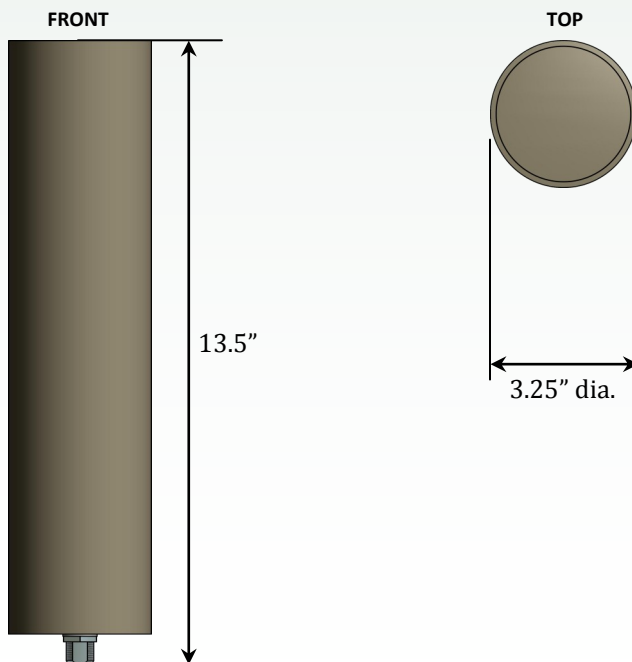
The BM-03A also comes in a HMMWV mountable variant, the BM-03-MM. The BM-03-MM variant is modified for use with an HMMWV. The BM-03A variant has multiple mounting options and can be provided with pole-mount, mirror-mount or magnet-mount bases. Both models pass MIL-STD-810 shock, temperature and vibration testing requirements for protection of encased electronic equipment.



FEATURES

- Lightweight
- 360 degree coverage
- Durable fiberglass construction
- Quick and easy setup
- Multiple vehicle mount options
- The BM-03A is designed and tested to operate under rigorous conditions and environments.
- Impact tested
- All TMC Design antennas are designed and manufactured under with the auspices of our AS9100/ISO9000-certified quality management program

SPECIFICATIONS



Type	Biconical Monopole
Frequency Range	500 to 2000 MHz
Gain	> 0 dB
Polarization	Linear (Vertical)
HPBW	360° x 85°
Maximum Power	200 Watts, CW
Maximum VSWR	3:1
Connector	Type-N, female
Height	13.56"
Diameter	3.25"
Weight	3.8 lbs
Temperature	-40° to +50° C



BICONICAL MONOPOLE



OMNI-DIRECTIONAL



500 TO 2000 MHZ



LINEAR



TMC Design Corporation

BM-03A Wide Band Omni-Directional Antenna

CUSTOMIZE YOUR ANTENNA

A HMMWV-mountable variant of the BM-03A, the BM-03-MM attaches to the rear of the vehicle at an elevated position, allowing it to provide uninterrupted 360 RF coverage around the vehicle. The BM-03-MM can be modified to mount to any armored vehicle.

HIGH-POWER OPTIONS

To increase range and improve reception, most TMC Design antennas can be modified to operate in high-power applications.

COLOR OPTIONS



A variety of paint options are available to fulfill your coating requirements. Federal Standard 595B colors, Chemical Agent Resistant Coating (CARC) or spot color schemes are available. Contact a TMC Design representative to specify coating options (most popular colors shown above).

RF MATING OPTIONS

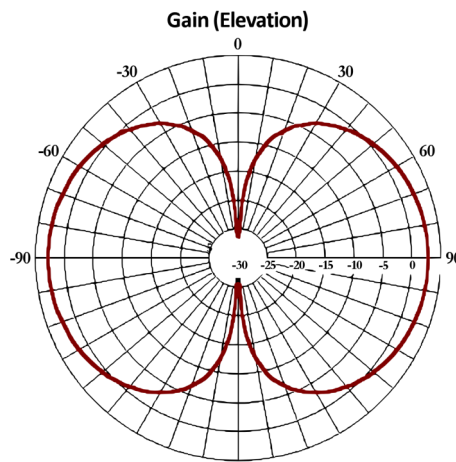
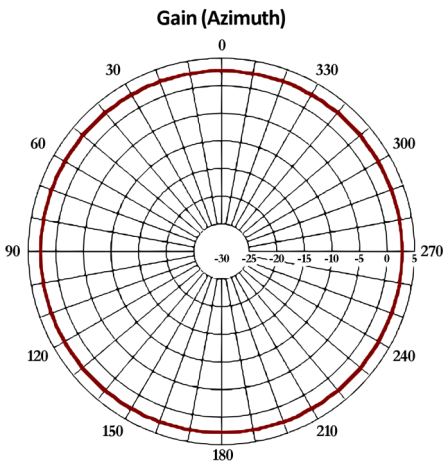
All TMC Design antennas can be modified to include an RF connector that best fits your application. Be sure to specify the connector that is needed or ask one of our representatives for assistance in finding an RF mating solution that will best fit your requirements.

MOUNTING OPTIONS

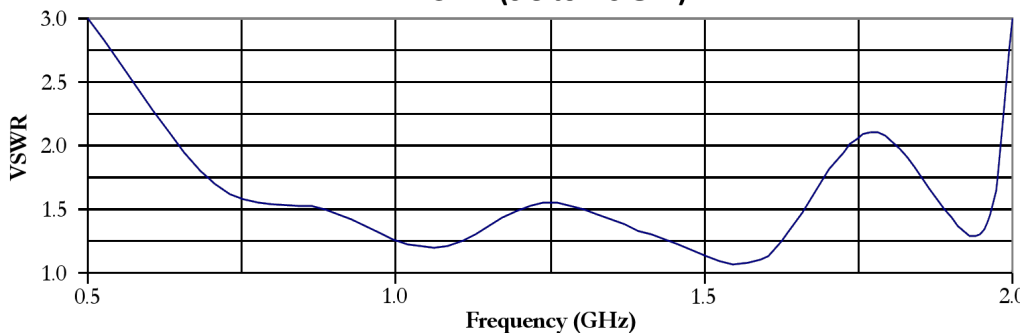
Antennas can be modified to be mounted in the manner that best fits your requirements. Magnetic mounts are recommended for applications involving automobiles. A tripod will best fit situations where quick-setup and temporary emplacement necessary. Other options include antenna towers, and solar-powered mount systems for remote operation. Contact a TMC Design representative for assistance in choosing a mounting option.

BM-03A antenna mounted to a HMMWV mirror. BM-03A antennas come with a pole-mount and supplementary hardware to reproduce the setup shown.

PERFORMANCE



VSWR (0.5 to 2.0 GHz)



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