## HC-238-13 Helicone Antenna

The helicone model is a directional antenna that combines the most beneficial features of the helical and horn antenna families. At its core, the helical characteristics of the antenna allow it to transmit circular-polarized wavelengths, while its conical-horn body create a highly directive signal.

This means an antenna that provides low side -lobe levels while maintaining a solid gain.

The HC-238-13 operates from 1.2 to 1.6 GHz,

#### **FEATURES**

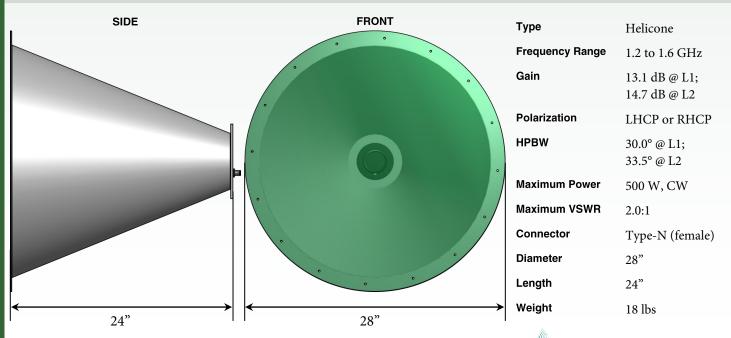
- Solid gain with low side-lobe levels
- Ideal for GPS applications
- Ideal for L-Band applications
- RHCP and LHCP models available
- Sealed in rugged radome for years of outdoor use
- Lightweight
- Suitable for high-power applications

related applications.

 All TMC Design antennas are designed and manufactured under with the auspices of our AS9100/ISO9000-certified quality management program

making it ideal for use in GPS and other L-Band

#### **SPECIFICATIONS**





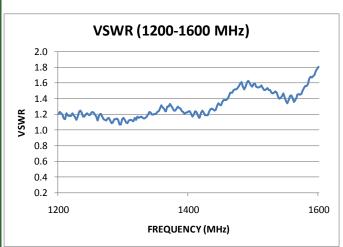


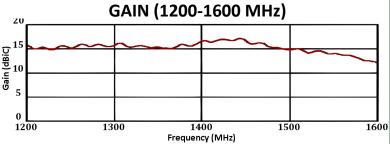


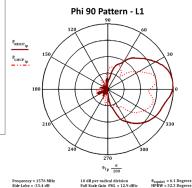


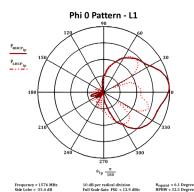
# HC-238-13 Helicone Antenna

**PERFORMANCE** 









#### **CUSTOMIZING YOUR HC-238-13 ANTENNA**

#### **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 re-

#### **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 the best mounting option.



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*).

#### **HIGH-POWER OPTIONS**

To increase range and improve reception, the HC-238-13 antenna can be modified to operate in high-power applications. *Note that changes in power specifications may affect the required RF mating end.* 



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