

# Antenna Datasheet

HTTH\_1L\_125x70

Outline Dimension: 125mm x 70mm

frequent

froschelectronics GmbH

## Installation Notice:

UL/CSA requires that the antenna is encapsulated or installed in a protective enclosure. Therefore the insulation of the current-carrying parts must not be destroyed.

Please carefully read this specification.

$P_{\max} = 10W^*$	Maximum input power in order to prevent overheat and overvoltage*
Dimensions of the magnetic loop	40mm x 100mm
Enclosed area of the magnetic loop	0.004m <sup>2</sup>
Inductivity L	31 $\mu$ H
Number of Windings	12
Quality Factor Q	~50
Cable**	500cm (default) 2 Pin shielded cable; the cable length must be kept as short as possible.
Environment	Indoor and outdoor use
Operation Temperature	0°C to 55°C
Storage Temperature	-25°C to 85°C
Relative Humidity	10% to 80% (non-condensing)

\*This power level is valid until the ambient temperature does not exceed the operating temperature limit which is specified in this table. Keep in mind that the ambient temperature may exceed this limit when operating the antenna in a case or an ambience with limited ventilation. For this case the power must be reduced until the ambient temperature of the antenna keeps the limit.

\*\* Oversized cable parts should be cut and should never form loops! Maximum cable length 5m