KGEA-DH

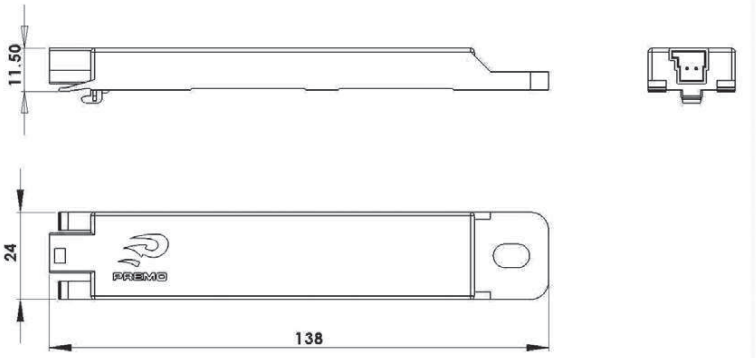
Keyless go Emitter Antenna 138x24x11.5mm (33 uH - 470 uH)

Characteristics

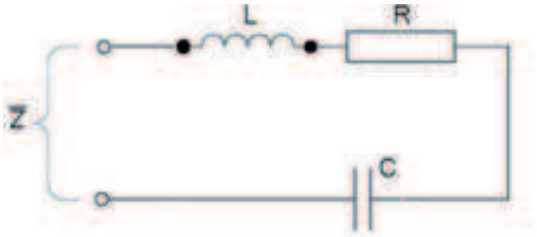
Door handle designed antenna for emission of a LF field to allow hands free access towards the Customer Device Identification. Overmoulded with PA66 or PBT-GF 30%% assuring the IP67 classification. Inside the overmoulding the serial inductance and capacitance can be customized to required values. Designed to allow long emitting-reading distances in the smallest volume.

- Very low profile.
- High stability in temperature (-40°C up to +85°C).
- Low tolerances in the resonance frequency LC.
- Connector integrated in the enclosure.
- Long reading distances.
- Strong anchor points which provide an easy assembly.
- Custom LC value under demand.

Mechanical dimensions All dimensions in mm

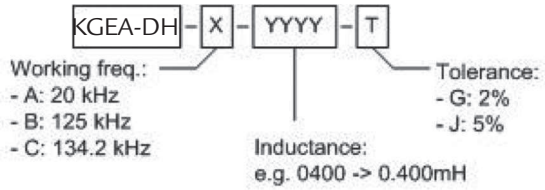


Electrical diagram



L: Ferrite core coil inductance
R: Copper resistance and connection
C: Tunning internal capacitor NPO
Rdc: Diagnostic parallel resistor (typical 10 kΩ)
Z: External impedance

Nomenclature description



Electrical specifications

P/N	L (mH)	Cres (nF)	Q	SRF (MHz)	Freq. (kHz)
KGEA-DH-A-0161J	0.161	330	>60	>1	20@
KGEA-DH-B-0345J	0.345	4.7	>80	>3	125@
KGEA-DH-B-0500J	0.500	3.30	>80	>3	125@
KGEA-DH-C-0426J	0.426	3.3	>80	>3	134,2@

This chart is a reference guide for the most common required values at working frequency of 20 kHz, 125 kHz or 134.2 kHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry. Sensitivity measured with Helmholtz coils H=8.36 App/m @125 kHz. Contact us for measurement specification.