FEATURES
PREMO offers a short antenna with a high mechanical robustness and the best performance electrical on metal surface due to its bridge type design external housing.

01 CHARACTERISTICS
- Short antenna (length until 150 mm).
- External housing shape H-bridge Material PBT-GF30% or PA66-GF30%.
- Strong anchor points which provide an easy assembly and will ensure mechanical robustness.
- Higher impact absorption and mechanical reduction preventive.
- LF antenna module inside external housing is to cover by Low Pressure Technology (LPM).
- LPM is a well known technology in PREMO.
- Very fast to produce (No Curing needed).
- IP56 grade Waterproof
- Connector Non Waterproof IP52 located outside assembly housing plastic base.
- High stability in temperature (-40ºC up to +85ºC).
- Resonant frequency adjusting below +/- 2kHz.
- Custom L-C value (F-Resonant)
- This antenna is designed based on AECQ-200.

02 SPECIFICATIONS
DIMENSIONS (mm)

COMPONENTS OF THE PART

FIELD MAGNETIC STRENGTH

PROCEDURE / SETUP
- Antenna (PREMO mounted on Reader and signal amplifier I=2App, V=5Vpp).
- Probe FMZB (as receiver) used to measure the magnetic field dBµV/m.
- Probe closed (as receiver) used to measure the magnetic field dBµV/m.
- RESULTS = 105 dBµV/m ± 2dB at 3 meters I=2App, V=5Vpp in maximum direction.

EMITTER ANTENNAS / SHORT RANGE

KGEA-HBT
Short Range Antenna LF for smart entry system.
External housing + LPM (Filled)
EMITTER ANTENNAS / SHORT RANGE

L+C IN SERIES

ELECTRICAL SPECIFICATIONS

Operating Frequency @134.5Khz
Ø25°C @1Vac. (L+C in series)
KGEA-HBT-C-0205J

L (mH) 0.205
Cres (nF) 6.8
Q (L+C) 1525
Rac (Ω) <1.5
Arms 1A

Part Name
1 External Housing PA66-GF30%
2 Module LF Antenna + LPM (cover)
3 CONNECTOR KET MG641762 Non Waterproof IP52