

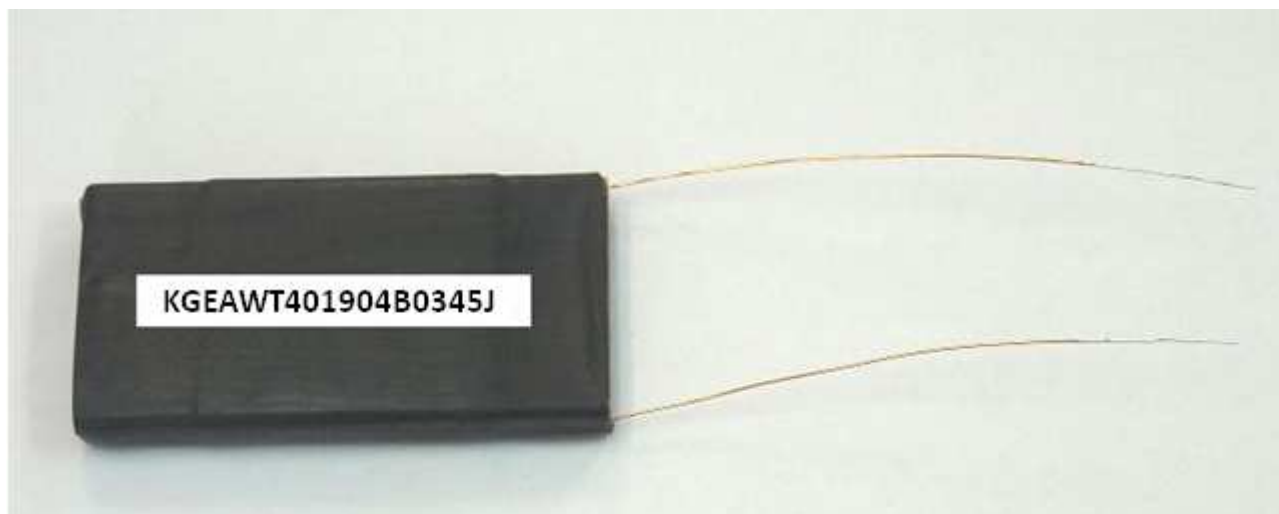
	CUSTOMER		CUSTOMER CODE		PART DESCRIPTION EA 401904 heat shrink tube 345 μ H $\pm$ 5% @ 125kHz	
	INTERNAL CODE KGEAWT401904B0345J	DATE 25/10/11	EDITION 3	DOCUMENT NAME EKGEAWT401904B0345J_1	PAGE 1/4	

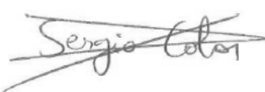
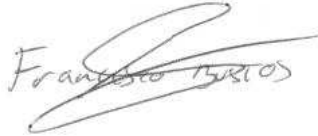
C/Severo Ochoa 33 - Parque Tecnológico de Andalucía. 29590 Campanillas .Málaga (Spain) **Phone** +34 951 231 320 Fax +34 951 231 321
E-mail:ramon.fernandez@grupopremo.com Web <http://www.grupopremo.com>.

TECHNICAL SPECIFICATIONS

KGEAWT401904B0345J

Emitter Antenna 401904 heat shrink tube 345 μ H $\pm$ 5%@ 125kHz



Made by José Ramón Fdez.	Checked by: Sergio Cobos	Approved by: Francisco Bustos
Date: 25/10/2011	Date: 25/10/2011	Date: 27/10/2011
Signature: 	Signature: 	Signature: 

NOTES

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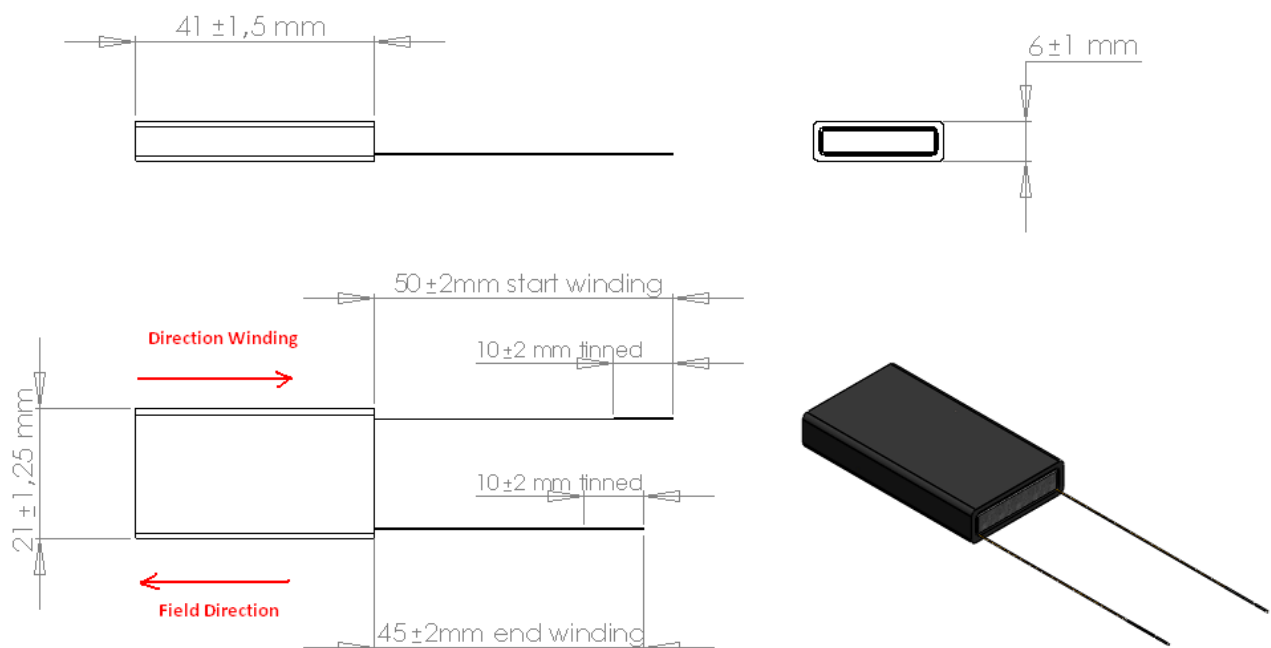
1. Applications:

- Keyless go emitter antenna.
- Reader Antenna RF.

2. Characteristics:

- Transmitting low frequency LF @125kHz.
- High stability in temperature (-40°C up to +85°C).
- Long reading distances and average current until 8App.
- The coil is to protect with heat shrink tube to avoid handling problems.

3. Dimensions:



Lt=Total length; **Wt**=Total width; **Ht**=Total height **with heat shrink tube**.

Lt = 41,00 $\pm$ 1,50 mm .
Wt = 21,00 $\pm$ 1,25 mm.
Ht = 6,00 $\pm$ 1,00 mm.

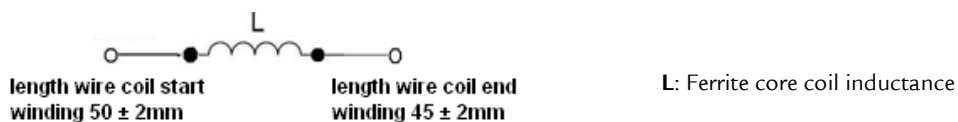
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4. Schematic Diagram



5. Materials

Core: Ferrite Core

Wire: Enamelled copper wire, G1, class SH.

Heat Shrink tube: Material tube Polyolefin

Operating Temp -55°C a +135°C

Remark : Products comply with RoHS requirements.

6. Reliability Tests

Typical Operating Frequency 125KHz $\pm$ 5% [-40°C to 85°C].

Storage Temperature -40 °C $\rightarrow$ +125 °C

Operating Temperature -40 °C $\rightarrow$ +85 °C

This part is according to AEC-Q200 Revision C.

7. Electrical Characteristics

P/N	L (μ H) $\pm$ 5%	Qmin	SRF (MHz)	Ipp máx (Amp) (*)	Rdc (Ω) $\pm$ 10%	Lt(mm) $\pm$ 1,5	Wt(mm) $\pm$ 1,25	Ht(mm) $\pm$ 1,0
KGEAWT401904B0345J	345	>100	>2,9	2-4	2,1	41,0	21,00	6,0

Inductance, Q factor, R_{dc} and SRF measured with an LCR meter Wayne Kerr PMA 3260A

Lt=Total length; **Wt**=Total width; **Ht**=Total height **with heat shrink tube**.

(*) **Note:** The maximum current value Ipp (Amp) depends wire diameter used in the assembly emitter antenna.

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8. Packaging Information

BLISTER SPECIFICATION

Material PET or similar.
Parts per blister: 60pcs
Package: 8 blisters

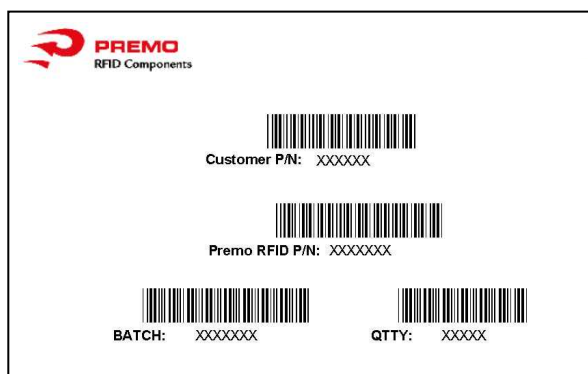
9.- Printing and Labelling

PART PRINTING

PART NUMBER

BATCH/DATE

PACKAGE LABELLING



10. Edition Control

Edition	Date	Change description	Made by
1 st	26/03/09	First edition	José Ramón Fernández.
2 nd	03/08/10	Update electrical parameters and dimensions	José Ramón Fernández.
3 rd	25/10/11	Update the tolerances (Lt,Wt,Ht) , length wire (start and end winding),winding and field direction, packaging information, printing and labelling	José Ramón Fernández.

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