

	Customer	Customer Code	Description KGEA-BFAM 192μH 5% 20kHz		
	Ordering Code	Prototype Ref. KGEA-BFAM-A-192J	Date 14/09/21	Edition 1	Page 1/7

PREMO S.L.
Severo Ochoa 47 Parque Tecnológico de Andalucía
29590 Campanillas, Málaga - Spain



KGEA-BFAM-A-192J: KGEA-BFAM 192μH 5% 20kHz

Made by: José Ramón Fdez	Checked by: Younes Akri	Approved by: Jonatan Muñoz
Date: 14/09/21	Date: 14/09/21	Date:
Signature: 	Signature:	Signature:

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1. Features

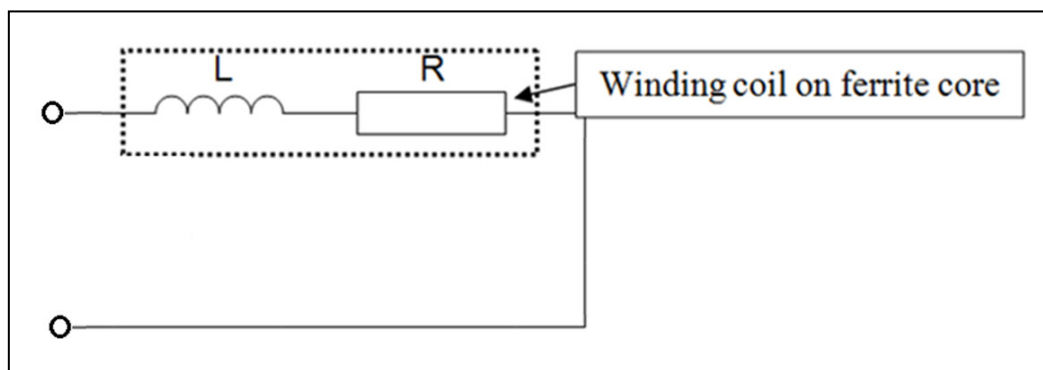
- LF Antenna
- Work frequency 20KHz
- Temperature from -40°C to 85°C
- Max current 1 Arms
- IP68 grade Waterproof
- The antenna belongs to class UL94-HB
- High mechanical requirements
- Optional Unsealed & Sealed connector

2. Applications

- Ideally used access and start Hand Free subsystem for Passive Entry Keyless Go System Requirements for automotive application..

3. Electrical diagram

Diagram of the antenna is:

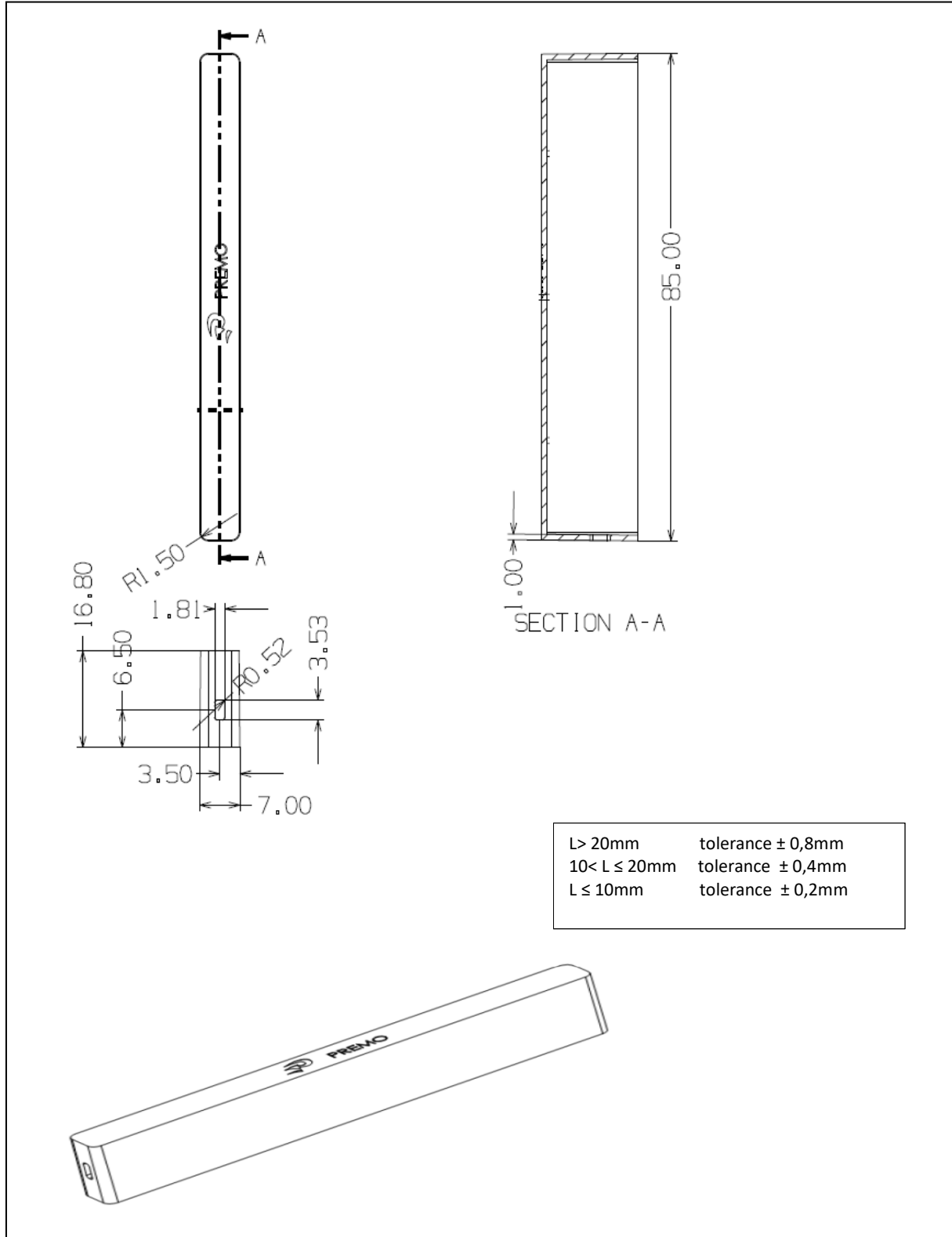


L: Ferrite core coil inductance.
R: Copper resistance and connection.

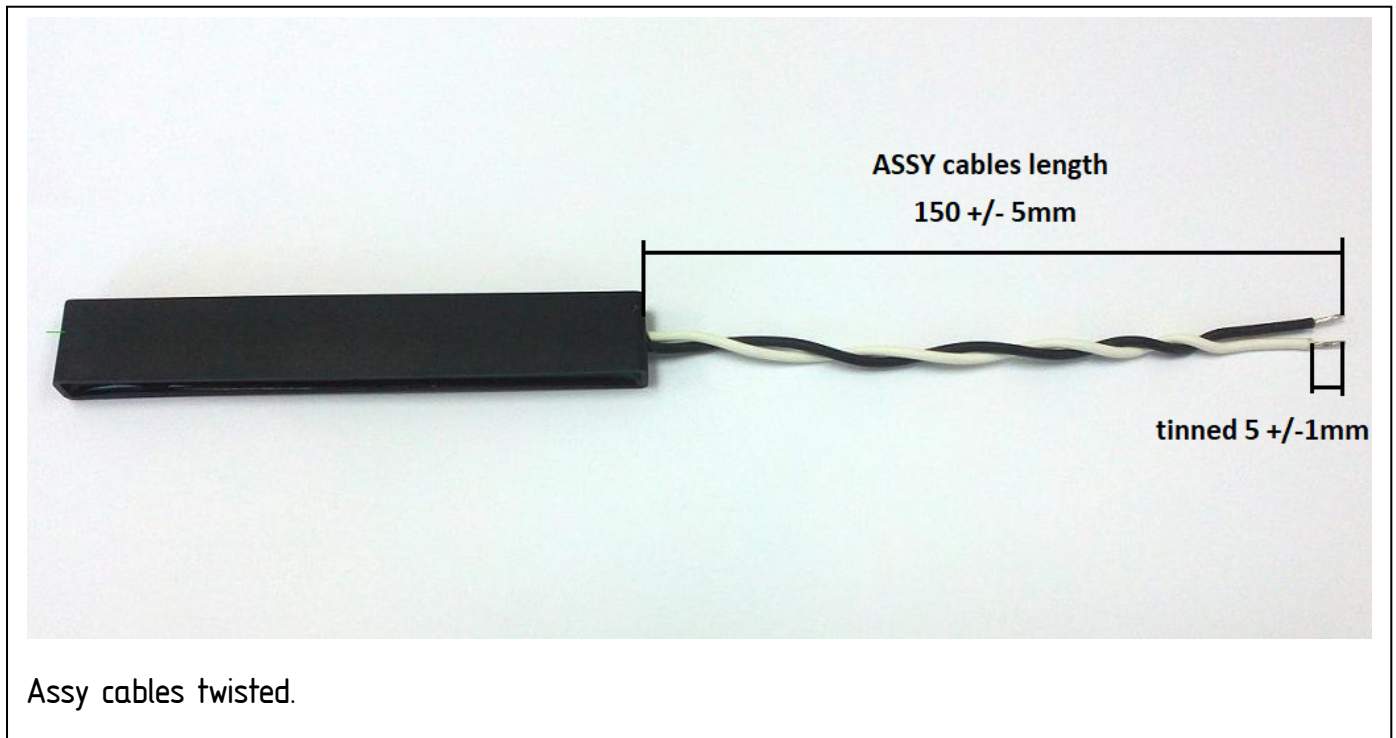


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4. Mechanical Dimensions



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5. Electrical parameters

Parameters	Min.	Typ.	Max.	Symbol	Units	Remarks
Inductance - at Tr (±2,5%) - [- 40°C; +85°C] (±5%)	187,2 182,4	192	196,8 201,6		μH	(*) Measured 100% in EOL Test at Tr.
Resonant Frequency - at Tr		20		Fo	Khz	
Resistor (0.1Vrms, in F0) - at Tr (±5%)	1,14	1,2	1,26	Rdc		(*) Measured 100% in EOL Test
Quality factor(L-inductance)	18			Q		(*) Measured 100% in EOL Test at Tr
AC RMS Current			1	I	Arms	

Inductance, Q- factor, Rdc are measured in LCR meter Wayne Kerr PMA 6430B



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6. Functional performances

Temperature range	Operating	-40	85	°C
	Storage	-40	85	°C
Humidity range	Operating	40	95	%
	Storage	40	95	%

- Products comply with RoHS requirements.
- This part based in AECQ-200 revision D.

7. Materials

CORE	Ferrite Core MnZn 68x7x3 mm
WIRE	Enamelled Cu wire 0.16mm/G1/SH/Sold
CAPACITOR	Type MKP-Radial 400Vdc 3.3nF ± 5%
HOUSING	Housing Plastic PA66+GF 30%
ASSY CABLES	TXL Cable SAE AWG22
RESIN	Polyurethane resin

8. Marked Information:

- Laser marking
- Marking Content:
 - PN PREMO: KGEA-BFAM-A-192J
 - Date: WW/YY
 - Serial number



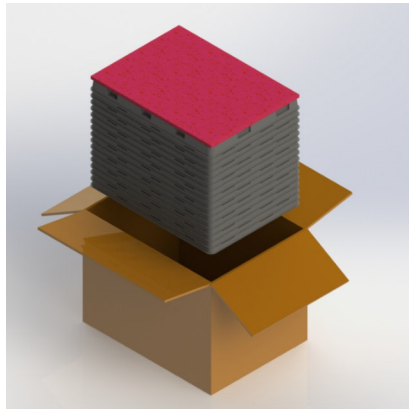
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9. Packaging information:

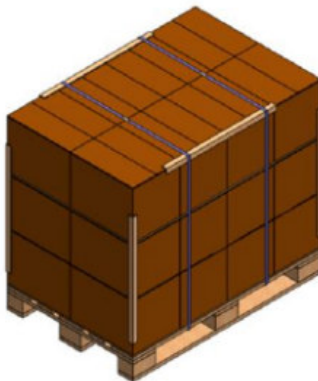
- Tray plastic: 12 cavities x 8pcs= 96pcs.



- Package: 6 tray plastic/ 576pcs
- Package size: 388x288x300 Interior/+6mm thickness carton



- Pallet
 - 13824 parts in a European pallet
 - Max Pallet dimension (L x W x H): 1200x800x1600



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10. Edition Control

ED	CHANGE BY	DATE	CHANGE DESCRIPTION
1ª	J.Ramón Fdez	14/09/21	Catalogue format KGEA-BFAM Updated electrical parameters according values obtained and validated in Tangier Plant (L-inductance, Qmin, Rdc). @working frequency 20Khz This part based AECQ-200 revision D. The antenna belongs to class UL94-HB IP 68 grade waterproof.

