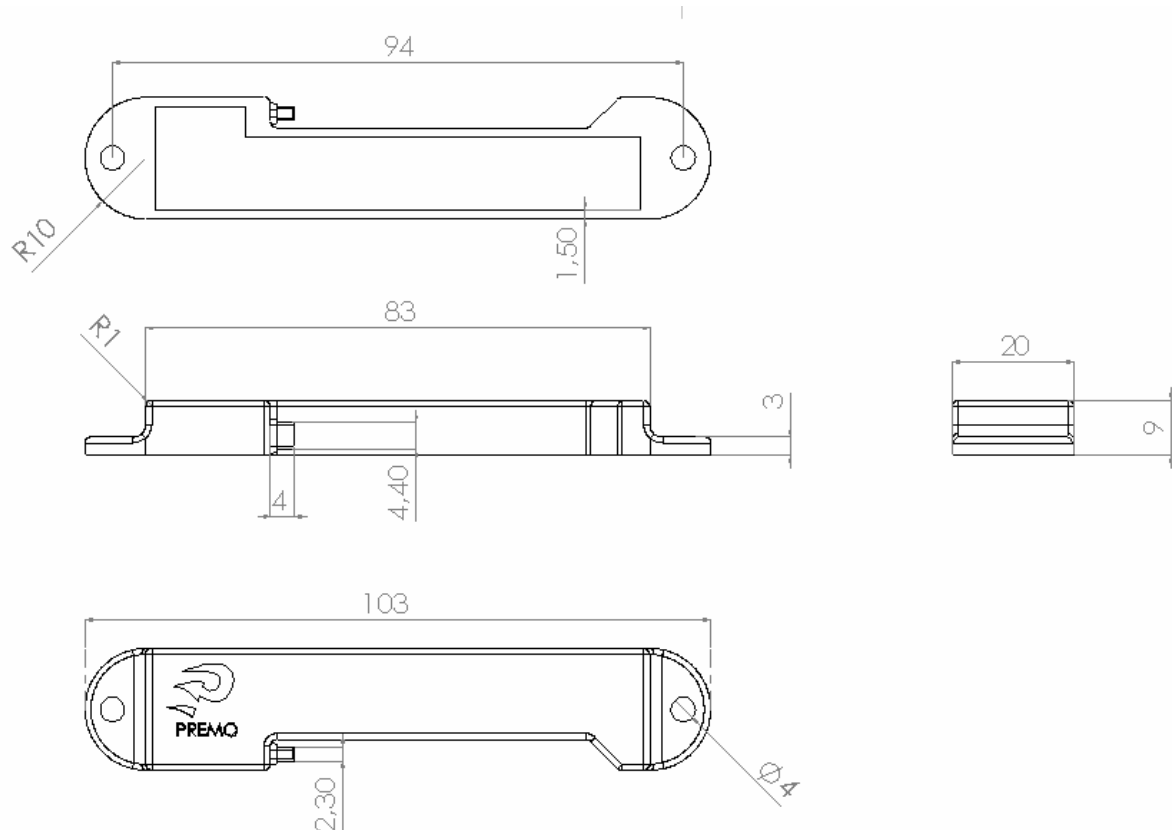


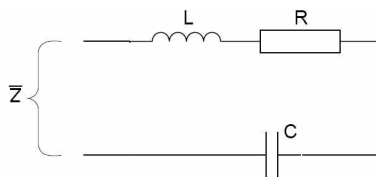
C/Severo Ochoa 33 - Parque Tecnológico de Andalucía. 29590 Campanillas. Málaga (Spain) **Phone** +34 951 231 320 **Fax** +34 951 231 321
E-mail: info@grupopremo.com Web <http://www.grupopremo.com>

1. Dimensions



All Dimensions in mm
General Tolerances $\pm 0.1\text{mm}$

2. Schematic Diagram



L: Ferrite core coil inductance
R: Copper resistance and connection
C: Tuning internal capacitor NPO
Z: External impedance

KGEA BFCWX

Emitter Antenna 103x20x9mm Housing
plastic base-potted and outside connector
unsealed&sealed

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3. Materials

Core: Ferrite Core

Wire: Enamelled and Selfbonding copper wire

Capacitor: NPO_Polypropylene film

External housing: material PA66

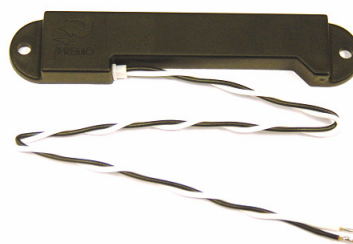
Wall busing: material silicone.

Resin: material epoxy (part fills resin potting)

Cable: CSA high temperature automotive sector

Connector: Optional Unsealed & Sealed

Remark : Products comply with RoHS requirements



4. Applications and Reliability Tests

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

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

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

This part is according to AEC-Q200 Revision C.

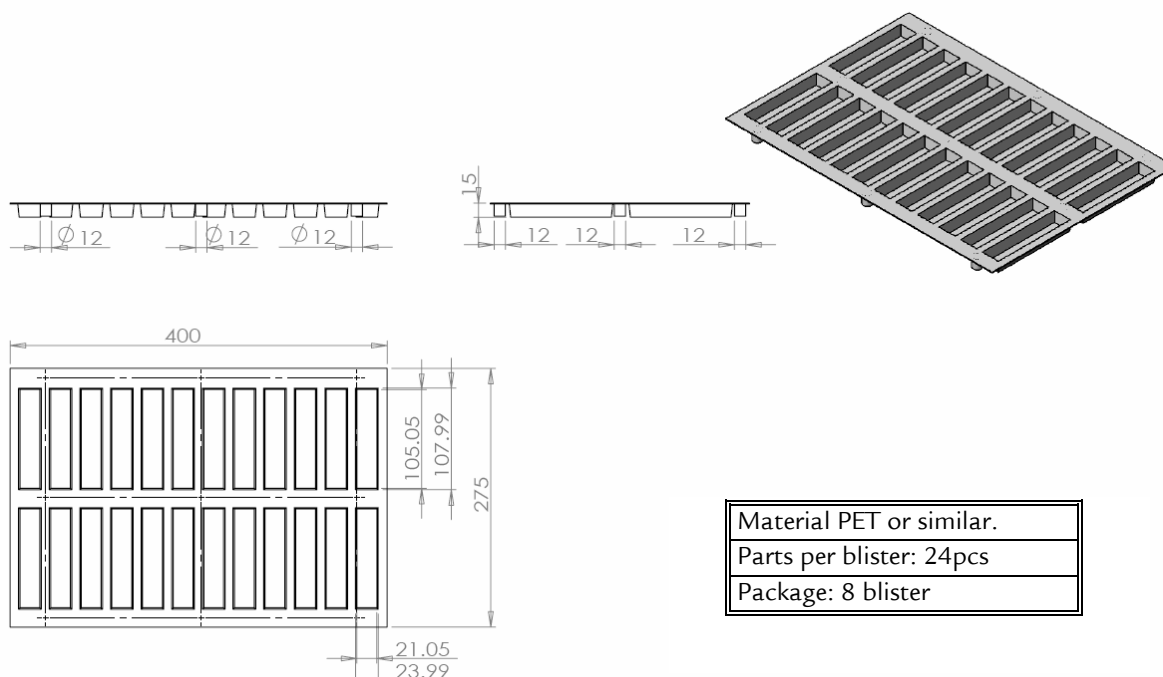
5. Electrical Characteristics

KGEA-BFCWX

Code	L (mH)	Q min	Freq (KHz)	SRF (Mhz)	Length (mm)	Width (mm)	Height (mm)
KGEA-BFCWX-A-0161J	0.161	45	21.85	>1	103	20	9
KGEA-BFCWX-A-0422J	0.422	55	21.85	>1			
KGEA-BFCWX-B-0108J	0.108	90	125	>3			
KGEA-BFCWX-B-0240J	0.240	100	125	>3			
KGEA-BFCWX-B-0345J	0.345	115	125	>3			
KGEA-BFCWX-B-0500J	0.500	115	125	>3			
KGEA-BFCWX-C-0207J	0.207	100	134,2	>3			
KGEA-BFCWX-C-0426J	0.426	100	134,2	>3			

6. Packaging Information

BLISTER SPECIFICATION



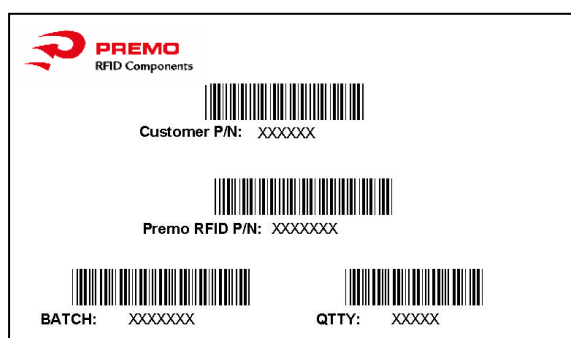
All Dimensions in mm

7.- Printing and Labelling

PART PRINTING

PART NUMBER
BATCH/DATE

PACKAGE LABELLING



Edition	Revision Date
1	13/05/09