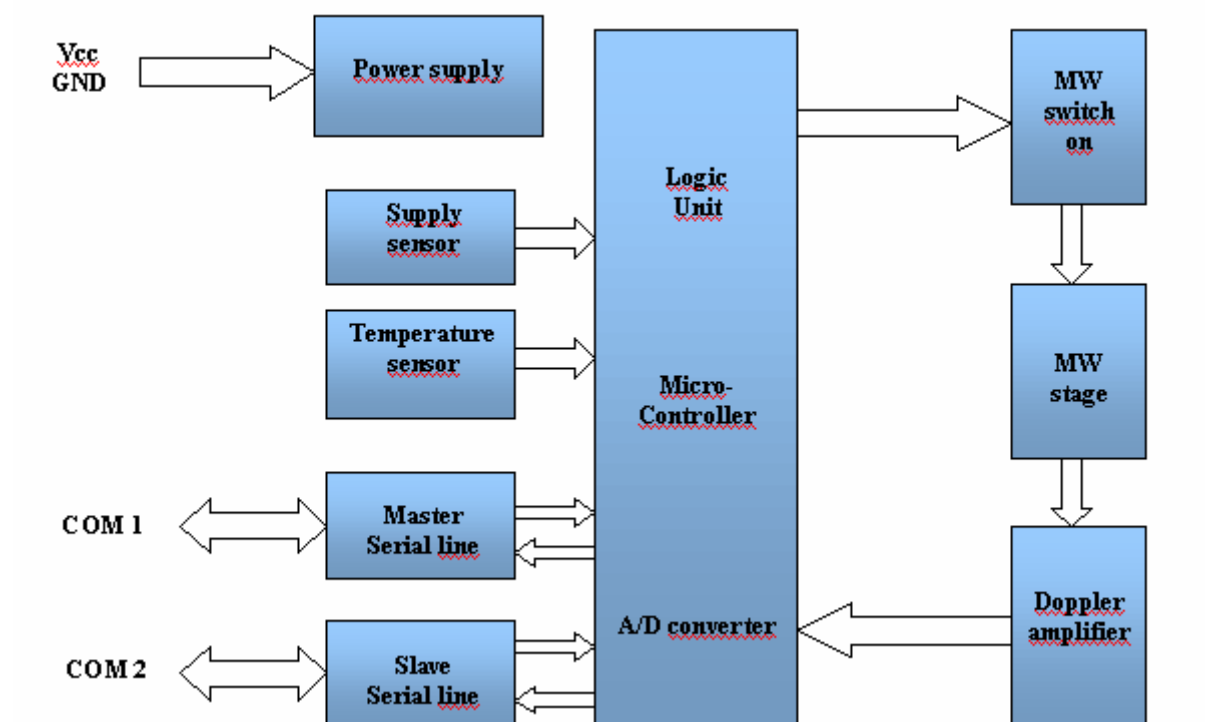




CAR SECURITY
DELTA ELETTRONICA spa

5464
schema a blocchi
MW stage oscillatore 2.45GHz
antenna risuonatore ceramico

Date: 24/02/2004 10.37
Revision: 00
Page: 1 of 2
Signature:
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(1).doc.doc





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Dielectric Resonators (RESOMICS®)



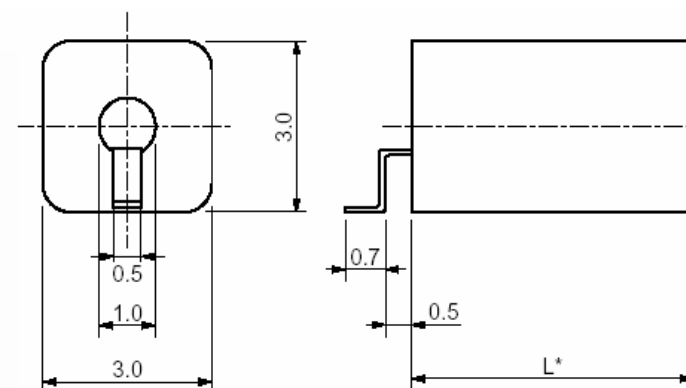
Dielectric Resonator K Series (DRR Copper Plated Type)

■ Features

1. High dielectric constant : $\epsilon_r=92$
2. Lower price than silver plated type
3. Excellent solderability by copper electrode
4. These resonators cover wide range of resonant frequencies (by 10MHz step).



DRR030 Type



* Dimension L can be calculated by the following,
using dielectric constant and resonant frequency.

$$L \approx 3 \times 10^{11} / (\sqrt{\epsilon_r} \cdot f_0) \quad (f_0 : \text{Hz})$$

$\lambda/4$ TEM mode : $n=4$ $\lambda/2$ TEM mode : $n=2$