# RCA – ROD

## Radio Adjustable Antenna

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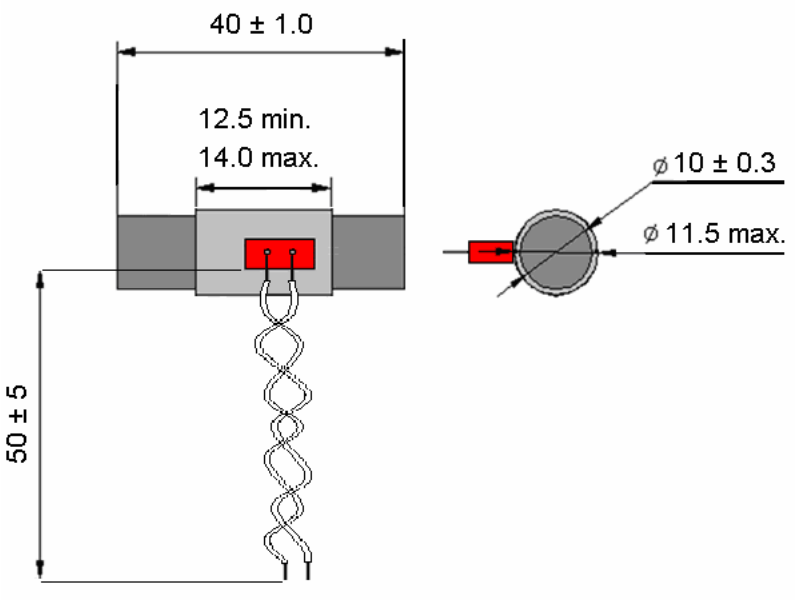
## 1. Configuration & Dimensions




All dimensions in mm

## 2. Materials

**Core:** Ferrite core.
**Insulation tape:** Standard polypropylene tape.
**Wire:** Selfbonding copper wire.
**Adhesives:** Standard cyanoacrylate adhesive and 3M DP190.
**Capacitor:** Metallized capacitor in PCM 5mm.
**Cable connections:** Standard stranded copper wire with PVC external insulation.

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## 3. Applications

This radio receiver antenna is configured as L-C resonant parallel tank. The module is formed by a ferrite rod core wound with a capacitor joined, and cable connections.

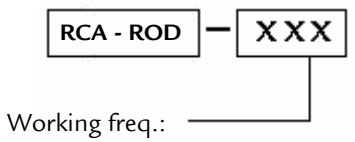
RCA-ROD-60A / 77A

Radio Clock Application.

RCA-ROD-129 / 135 / 139

Ripple Control Application.

## 4. Nomenclature description




60A → 60.0 kHz
77A → 77.5 kHz
129 → 129.1 kHz
135 → 135.6 kHz
139 → 139.0 kHz

## 5. Electrical Characteristics

### RCA - ROD

| Code | Cres (nF) | Tuning Freq. (kHz) | Z (KΩ) nom. | Induced voltage (Vpp) |
|---|---|---|---|---|
| RCA-ROD-60A | 3.3 ± 5% | 60.0 ± 0.2kHz | >75 | >10 |
| RCA-ROD-77A | 3.3 ± 5% | 77.5 ± 0.2kHz | >55 | >10 |
| RCA-ROD-129 | 2.2 ± 5% | 129.1 ± 0.5kHz | >35 | >10 |
| RCA-ROD-135 | 2.2 ± 5% | 135.6 ± 0.5kHz | >40 | >10 |
| RCA-ROD-139 | 2.2 ± 5% | 139.0 ± 0.5kHz | >40 | >10 |

Please contact our sales department for any inquiry.
Voltage induced with a magnetic field of H=0.598 App/m. Contact us for measurement specification.