

# Hi-Rel crystal resonators

rakon

Rakon has been developing crystal resonators for Hi-Rel applications over the last 40 years. Rakon is today a major supplier of crystal resonators for defense, space, instrumentation, submarine networks and oil research applications.

- **Material:**
  - Swept synthetic **HQ crystal** premium for space Flight Models
  - Synthetic **HQ crystal** for others applications
- **Crystal cuts:** **AT, SC, Y, IT**
- **Frequency range:** **from 3 MHz up to 250 MHz**
- **Temperature range:** **up to +180°C**
- **Ageing:** as good as  **$5 \cdot 10^{-9}$  per year**
- **Packages:** HC37U, HC35, HC40, HC43, HC45, HC18, UM1, UM5
- **Applications:**
  - Space: In accordance with **ESA/SCC 3501** procedures
  - Defense: **Low g-sensitivity ( $3 \cdot 10^{-10}/g$ )** & low noise

