



SUNNY ELECTRONICS USA



PROFILE

- **Founded:** 1966
- **Employees:** Korea (90), China (290)
- **Revenue:** \$40M USD 2012
- **Website:** www.sunny-usa.com
- **Ownership:** Publically traded on KOSPI
- **Key Customers:** Samsung, LG, Hyundai, Tyco, Cisco, Jabil, Flextronics

LOCATIONS

- **Cheongju, S. Korea:** HQ, R&D and Mfg
- **China:** Manufacturing
- **Philippines:** Sales and Manufacturing
- **Tustin, CA:** Sunny USA / Engineering

PRODUCT OFFERING

Crystal Units:

- **Ceramic SMD Package:** 6 – 125 MHz, 4 pad ceramic surface mount package, AT cut available
- **UM Type Package:** 7 – 200 MHz, tight tolerance & stability, AT cut available.
- **ATS Type Package:** 3.5 – 85 MHz, ATS holder type package, resistance weld seal.
- **ATS SMD Type:** 3.5 – 85 MHz, ATS SMD type package, resistance weld seal.
- **HC Type:** 1.8 – 85 MHz, HC-49/U package, AT cut available.
- **Tuning Fork:** 32 – 75 KHz, Photolithography finished allows uniform stable performance

Crystal Oscillators:

- **Ceramic SMD Package:** 1 – 200 MHz, 5.0, 3.3, 2.5 & 1.8V supply, HCMOS / TTL output, Tri-state function available
- **LVPECL & LVDS Type:** 9.5 – 200 MHz, Ceramic SMD or metal package, 3.3 & 2.5V, Differential LVPECL, LVDS and HCSL output
- **DIP Type Package:** 1 – 200 MHz, 14 pin / 8 pin DIP package, 3.3 & 5.0V supply, HCMOS / TTL output

VCXO:

- **Ceramic SMD Package:** 1 – 300 MHz, 5x7, 5x3.2, & 3.2x2.5mm packages, 5, 3.3 & 2.5V supply, HCMOS / TTL output, Tri-state function available
- **LVPECL & LVDS Type:** 9.5 – 622.080 MHz, 5x7 & 5x3.2mm ceramic SMD or 13x20mm metal package, 3.3 & 2.5V supply, Differential LVPECL or LVDS output, Fundamental or Multiplied, excellent stability.
- **DIP Type package:** 1 – 50 MHz, 14 pin / 8 pin DIP package, 3.3 & 5.0V supply, HCMOS / TTL output
- **SMD Package:** 1 – 60 MHz, 5 & 3V supply, HCMOS / TTL output, Wide frequency and pull range.

TCXO and VCTCXO:

- **Ceramic SMD Package:** 12 – 27 MHz, 5x7, 5x3.2, 3.2x2.5 & 2x2.5 mm packages, 2.7, 3.0 & 3.3V supply, Clipped Sinewave output
- **DIP Type Package:** 9 – 40 MHz, 3.3 & 2.5V supply, HCMOS / TTL output, Clipped Sinewave output
- **SMD Package:** 9 – 40 MHz, 11x21 & 11x11mm packages, 5 & 3.3V supply, HCMOS / TTL output

OCXO:

- **DIP Type Package:** 5 – 33 MHz, 36x27, 25.8x25.8 & 25.4x22mm packages, 3.3, 5.0, 9.0, 12.0 & 15.0V supply, HCMOS / TTL output, Sinewave output

Other Products available:

- Crystal Filters, Ceramic Filters, Ceramic Resonators

KEY STRENGTHS

- Vertically Integrated with captive Mfg.
- **Manufacturer vs. reseller**
- Sample Lead Times: 2-4 wks
- Local engineering support
- Cutting Edge products (FastClock)
- Global Locations
- ISO/TS Certified insures High Quality
- Full line of Frequency Control Products
- Local Support for Sales, Logistics, and Technology in North America from RFMW, Ltd.