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On this episode of the Pulse, we're taking colon biopsies with miniature star-shaped robots, watching an origami biosensor-bot fold itself, catching disease-causing mosquitoes with a drone, and regenerating skin wounds with an injectable hydrogel.

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Featured Story

How Can a Particle Accelerator Help to Cure Cancer?

History has shown that energetic particles can be useful for medical applications. From the time, in 1895 when Roentgen discovered X-rays, and in 1913 when Coolidge developed the vacuum X-ray tube, energetic particles have been an
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PRODUCT
3650 MHz Voltage Controlled Oscillator

Crystek's CVCO55CC-3650-3650 VCO (Voltage Controlled Oscillator) operates at 3650 MHz with a control voltage range of 0.5 V~4.5 V. This VCO features a typical phase noise of -108 dBC/Hz @ 10 KHz offset and has excellent...

PRODUCT
Inductive Position Sensor

Gill Sensors & Controls Limited introduces the Blade25 Inductive Position Sensor into the North American market. The Blade25 offers a non-contacting position sensing technology in
3650 MHz Voltage Controlled Oscillator

Thu, 07/02/2015 - 5:04pm  by Crystek Corporation

Listed Under: Crystals/Oscillators/Piezoelectrics

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Crystek's CVCO55CC-3650-3650 VCO (Voltage Controlled Oscillator) operates at 3650 MHz with a control voltage range of 0.5 V~4.5 V. This VCO features a typical phase noise of -108 dBc/Hz @ 10 KHz offset and has excellent linearity. Output power is typically +7 dBm.

Engineered and manufactured in the USA, the model CVCO55CC-3650-3650 is packaged in the industry-standard 0.5-in. x 0.5-in. SMD package. Input voltage is typ. 8.0V, with a typ. current consumption of 35 mA. Pulling and Pushing are minimized to 1.0 MHz and 0.2 MHz/V, respectively. Second harmonic suppression is -15 dBc typical.

The CVCO55CC-3650-3650 is ideal for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems, and base stations.