Product group: Linear ICs
Product Sub-group: Clock ICs (also Clock Multipliers, Multiplexer, Oscillators)

4812MHz Coaxial Resonator Oscillator
features typical phase noise of -102dBc/Hz at 10KHz offset

Suitable for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems and base stations, the CVCO55CXT-4812-4812 CRO (coaxial resonator oscillator) has been introduced by Crystek Crystals. The CRO is a coaxial-based, voltage-controlled oscillator with an internal proprietary frequency doubler, which uses family's 2X fundamental technology. The oscillator operates at 4812MHz with a tuning voltage range of 0.3 to 4.7V DC. It features a typical phase noise of -102dBc/Hz at 10KHz offset and has good linearity. The oscillator exhibits an output power of 3.0dBm typical into a 50Ω load with a supply of 5V DC and a maximum current consumption of 25mA. It is housed in a 0.5x0.5inch package. Pushing and pulling are both minimised to 1.5MHz/V and 0.5MHz, respectively, says the company. Second harmonic suppression of the oscillator is -30dBc typical.

Crystek Crystals Corp
12730 Commonwealth Drive
33913 - Fort Myers
tel: +1 239 561 3311
fax: +1 239 561 1025