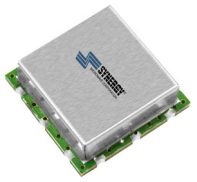
VOLTAGE CONTROLLED SAW OSCILLATOR
SURFACE MOUNT MODEL: VCSO-OC48

OPTIMIZED BANDWIDTH — 2488.32 MHz

FEATURES:

- Exceptional Phase Noise (Low Jitter)
- Superb Immunity To Microphonics
- Tuning Linearity <3:1
- Suitable For Automated Assembly
- Well Suited For LMDS, SONET, Digital Radio With Higher Order QAM Applications
- Compact Size (0.625" x 0.625")

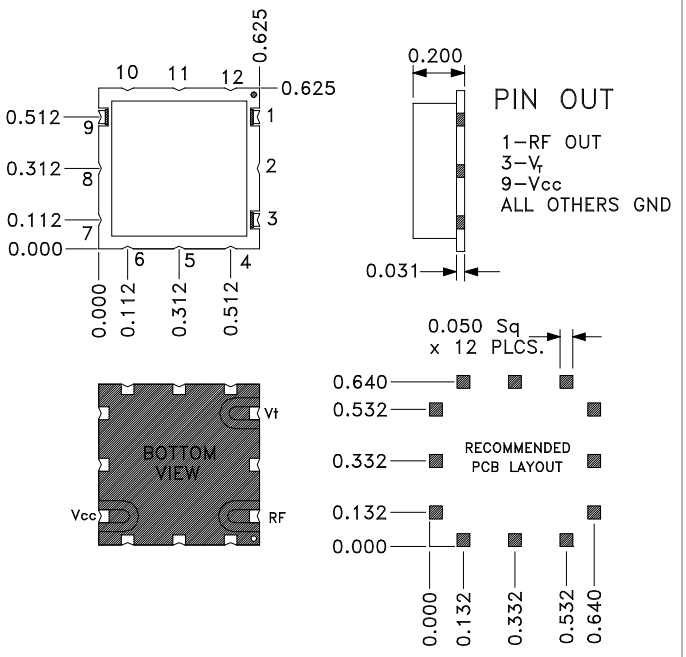


RoHS COMPLIANT

SPECIFICATIONS (Rev. A 10/24/12)

Frequency	2488.32 MHz
Tuning Range	250 ppm
Tuning Voltage	1 to 8 V
Supply Voltage	+5 V @ 98 mA
Output Power	+3 dBm (Typ.)
Output Impedance	50 Ohms
Harmonic Rejection	30 dB (Typ.) / 20 dB (Min.)
VSWR	1.5:1
Typical Phase Noise	**Offset** / **dBc/Hz**: @ 100 Hz / -70 dBc/Hz; @ 1 kHz / -98 dBc/Hz; @ 10 kHz / -122 dBc/Hz; @ 100 kHz / -142 dBc/Hz; @ 300 kHz / -155 dBc/Hz
Operating Temperature Range	-20 to +70 °C

Package #	252



This product is manufactured under one or more of the following patents. Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642; 7,292,113; 7,365,612; 7,495,525; 2,548,311; 2,548,317; 7,545,229; 7,580,693; 7,586,381; 7,605,670; 7,636,021; 2,533,623 | Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787; 7,495,525; 2,548,311; 2,548,317; 7,545,229; 2,563,174; 7,580,693; 7,612,296; 2,524,751

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