

## Features and Benefits

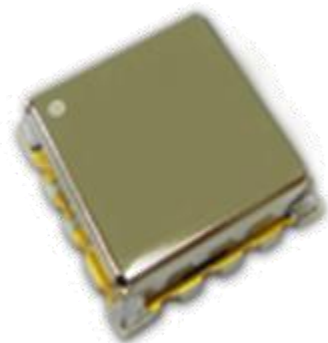
Low Phase Noise  
Linear tuning characteristics  
Low pushing / Low pulling  
Aqueous washable

## Typical Applications

SATCOM  
Receiver  
Test Equipment  
Radar

Point-to-Point  
Radio  
MMDS  
WiMax

## Picture



## Specifications

| Parameter                                      | Units              | Min. | Typical | Max. |
|------------------------------------------------|--------------------|------|---------|------|
| Operating Frequency Range                      | MHz                | 3050 |         | 3120 |
| Output Power                                   | DBm                |      | 3.0     |      |
| Output Impedance                               | $\Omega$           |      | 50      |      |
| Phase Noise @10kHz offset                      | dBc/Hz             |      | -105    |      |
| @100kHz offset                                 | dBc/Hz             |      | -125    |      |
| Tuning Voltage (Vt)                            | Vdc                | +0.5 |         | +4.5 |
| Tuning Voltage Sensitivity (Kv)                | MHz/V              |      | 33      |      |
| 2nd Harmonic Suppression                       | dBc                |      | -20     |      |
| Power Supply (Vcc) Voltage                     | Vdc                |      | 5       |      |
| Current                                        | mA                 |      | 25      |      |
| Pushing Figure                                 | MHz/V              |      | 1       |      |
| Pulling Figure (9.5dB Return Loss, all phases) | MHz                |      | 3       |      |
| Input Capacitance                              | pF                 |      | 18      |      |
| Operating Temp. Range                          | $^{\circ}\text{C}$ | -40  |         | +85  |

## Mechanical Drawing & Pin Connections

