

## Features and Benefits

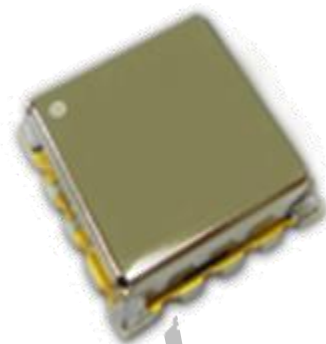
Low Phase Noise  
Linear tuning characteristics  
Low pushing / Low pulling  
Aqueous washable

## Typical Applications

SATCOM  
Receiver  
Test Equipment  
Radar

Point-to-Point  
Radio  
MMDS  
WiMax

## Picture



## Specifications

| Parameter                                      | Units              | Min. | Typical | Max.  |
|------------------------------------------------|--------------------|------|---------|-------|
| Operating Frequency Range                      | MHz                | 1510 |         | 1650  |
| Output Power                                   | DBm                |      | 0.0     |       |
| Output Impedance                               | $\Omega$           |      | 50      |       |
| Phase Noise @10kHz offset                      | dBc/Hz             |      | -107    |       |
| @100kHz offset                                 | dBc/Hz             |      | -127    |       |
| Tuning Voltage (Vt)                            | Vdc                | +1.5 |         | +12.0 |
| Tuning Voltage Sensitivity (Kv)                | MHz/V              |      | 24      |       |
| 2nd Harmonic Suppression                       | dBc                |      | -25     |       |
| Power Supply (Vcc)                             | Vdc                |      | 8       |       |
|                                                | Current            |      | 15      |       |
| Pushing Figure                                 | MHz/V              |      | 0.5     |       |
| Pulling Figure (9.5dB Return Loss, all phases) | MHz                |      | 1       |       |
| Input Capacitance                              | pF                 |      | 47      |       |
| Operating Temp. Range                          | $^{\circ}\text{C}$ | -40  |         | +85   |

## Mechanical Drawing & Pin Connections

