

## Features and Benefits

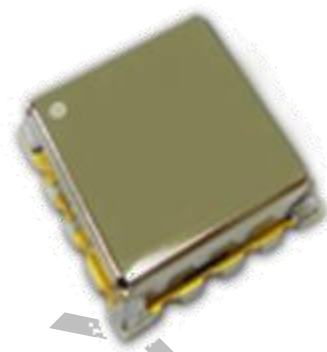
Low Phase Noise  
 Linear tuning characteristics  
 Low pushing / Low pulling  
 Aqueous washable

## Typical Applications

SATCOM  
 Receiver  
 Test Equipment  
 Radar

Point-to-Point  
 Radio  
 MMDS  
 WiMax

## Picture



## Specifications

| Parameter                                      | Units              | Min. | Typical | Max. |
|------------------------------------------------|--------------------|------|---------|------|
| Operating Frequency Range                      | MHz                | 1100 |         | 2500 |
| Output Power                                   | dBm                | +4.0 | +6.0    | +8.0 |
| Output Impedance                               | $\Omega$           |      | 50      |      |
| Phase Noise @10kHz offset                      | dBc/Hz             |      | -98     | -93  |
| @100kHz offset                                 | dBc/Hz             |      | -121    | -116 |
| Tuning Voltage (Vt)                            | Vdc                | 0.5  |         | 22.0 |
| Tuning Voltage Sensitivity (Kv)                | MHz/V              |      | 20-150  |      |
| 2nd Harmonic Suppression                       | dBc                |      | -20     |      |
| Power Supply (Vcc)                             | Vdc                |      | 5       |      |
| Current                                        | mA                 |      | 14      | 50   |
| Pushing Figure                                 | MHz/V              |      | 1.2     |      |
| Pulling Figure (9.5dB Return Loss, all phases) | MHz                |      | 17.5    |      |
| Input Capacitance                              | pF                 |      | 100     |      |
| Operating Temp. Range                          | $^{\circ}\text{C}$ | -40  |         | +85  |

## Mechanical Drawing & Pin Connections

