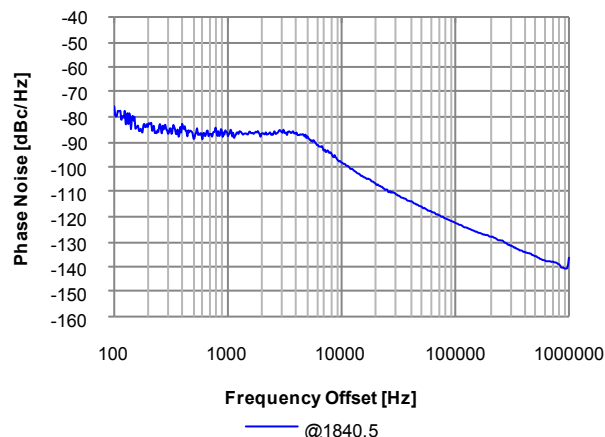


## Features

- No Programming Required
- Subminiature Size (0.5"x0.5"x0.12")
- Low Phase Noise

## Applications

- SATCOM radio link
- Receiver
- Test Equipment
- Radar
- Point-to-Point radio
- MMDS
- WiMAX

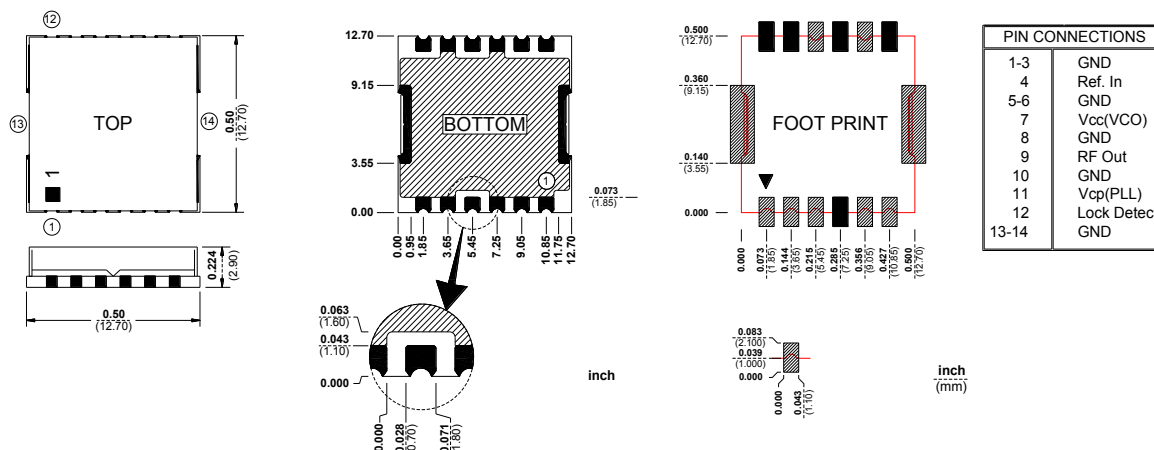


## Electrical Characteristics



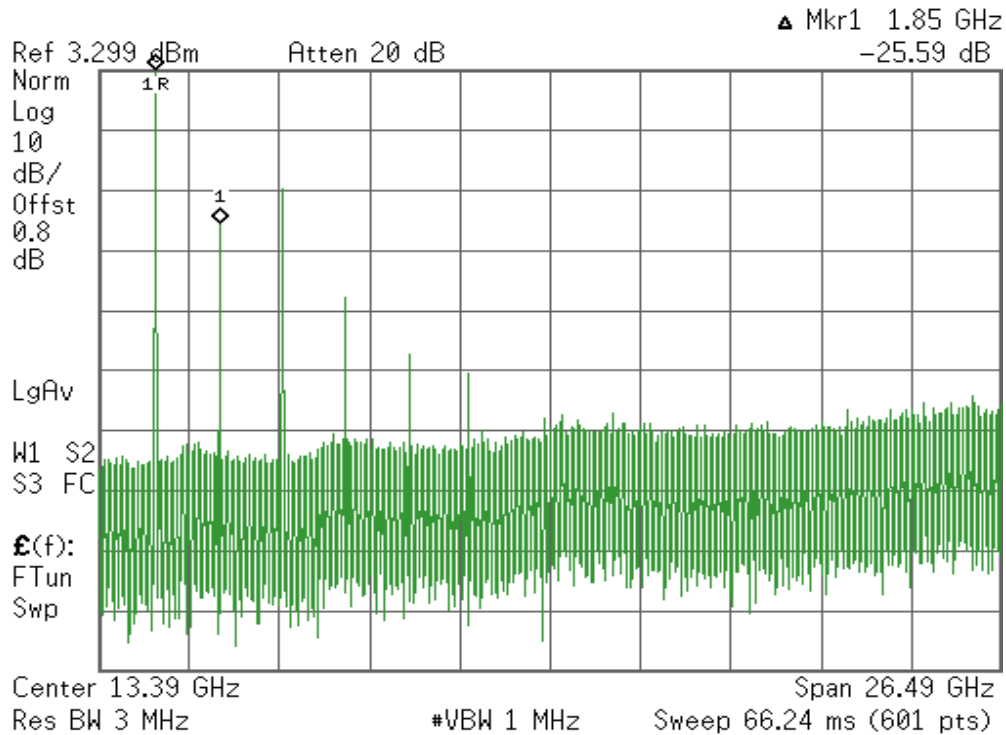
| Parameter                     | Units              | Min  | Typ     | Max  |
|-------------------------------|--------------------|------|---------|------|
| Fixed Frequency               | MHz                | -    | 1840.50 | -    |
| Output Power                  | dBm                | +2.0 | +4.0    | +6.0 |
| Output Impedance              | $\Omega$           |      | 50      |      |
| Phase Noise                   | @1kHz offset       |      | -84     | -79  |
|                               | @10kHz offset      |      | -99     | -94  |
|                               | @100kHz offset     |      | -122    | -117 |
|                               | @1MHz offset       |      | -138    | -133 |
| 2nd Harmonic Suppression      | dBc                |      | -25     | -20  |
| Sideband Spurious Suppression | dBc                |      |         | -80  |
| Reference                     | Input Frequency    | MHz  | 10      |      |
|                               | Input Level        | dBm  | -5      | +5   |
| VCO Power Supply (Vcc)        | Voltage            | Vdc  | 5       |      |
|                               | Current            | mA   | 22      | 30   |
| PLL Power Supply (Vcp)        | Voltage            | Vdc  | 5       |      |
|                               | Current            | mA   | 5       | 10   |
| Operating Temp. Range         | $^{\circ}\text{C}$ | -40  |         | +85  |

## Dimensions



PACKAGE DRAWING : PG12-L

## Harmonic Suppression



## Sideband Spurious Suppression

