

# Voltage Controlled Oscillator

# RS575AM

Optimized Band 560 to 590 MHz

Rev. A

## Features

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

## Applications

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

## Electrical Characteristics



| Parameter                       | Units    | Min | Typ  | Max |
|---------------------------------|----------|-----|------|-----|
| Operating Frequency Range       | MHz      | 560 |      | 590 |
| Output Power                    | dBm      |     | 2.0  |     |
| Output Impedance                | $\Omega$ |     | 50   |     |
| Phase Noise @10kHz offset       | dBc/Hz   |     | -113 |     |
| @100kHz offset                  |          |     | -133 |     |
| Tuning Voltage (Vt)             | Vdc      | +1  |      | +4  |
| Tuning Voltage Sensitivity (Kv) | MHz/V    |     | 23   |     |
| 2nd Harmonic Suppression        | dBc      |     | -15  |     |
| Power Supply (Vcc) Voltage      | Vdc      |     | 5    |     |
| Current                         | mA       |     | 23   |     |
| Pushing Figure                  | MHz/V    |     | 1    |     |
| Pulling Figure                  | MHz      |     | 1    |     |
| Input Capacitance               | pF       |     | 100  |     |
| Operating Temp. Range           | °C       | -40 |      | +85 |

## Dimensions

