

## Fixed Frequency Synthesizer Surface Mount Module

### Applications

- Test Stations
- Wireless Radios
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### Application Notes

- AN-107: Manual Soldering Technique
- AN-205: Measuring Phase Noise for SFS Series

| Performance Specifications            | Min      | Typ  | Max | Units              |
|---------------------------------------|----------|------|-----|--------------------|
| Frequency                             | 640      |      | 640 | MHz                |
| Phase Noise @ 10 kHz offset (1 Hz BW) |          | -105 |     | dBc/Hz             |
| Harmonic Suppression (2nd)            |          | -13  |     | dBc                |
| Spurious Suppression                  |          | -70  |     | dBc                |
| Power Output                          | -3       |      | 3   | dBm                |
| Load Impedance                        |          | 50   |     | $\Omega$           |
| Settling Time                         |          | 1    |     | mS                 |
| Operating Temperature Range           | -40      |      | 85  | $^{\circ}\text{C}$ |
| Package Style                         | PLL-V12N |      |     |                    |

| Power Supply Requirements        | Min | Typ | Max | Units |
|----------------------------------|-----|-----|-----|-------|
| Supply Voltage 1: PLL (Vcc, nom) |     | 3   |     | Vdc   |
| Supply Voltage 2: VCO (Vcc, nom) |     | 5   |     | Vdc   |
| Supply Current 1: PLL (Icc, typ) |     | 9   |     | mA    |
| Supply Current 2: VCO (Icc, typ) |     | 25  |     | mA    |

| Reference Oscillator Signal | Min | Typ  | Max | Units  |
|-----------------------------|-----|------|-----|--------|
| Frequency                   |     | 10   |     | MHz    |
| Phase Noise @1 kHz Offset   |     | -145 |     | dBc/Hz |

### Additional Notes

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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