

**AS9100 / ISO9001 Certified**

**ULTRA MINIATURE SMD**

## Features

- RoHS compliant, Tight Stability over Wide Temperature Range, 5.0 mm x 3.2 mm x 1.2 mm
- Voltage Control Option for Electric Frequency Adjustments
- Leadless Chip Carrier (LCC) Ultra Small Package, Industry de factor Standard Footprint
- Small Size, Low Profile, Light Weight and Low Power Consumption

## Specifications

Frequency Range	10 MHz to 40 MHz
Input Voltage (Vcc)	3.3V±5%; 3.0V±5%; 5V±5%
Input Current	2.0 mA maximum at 3 V (25°C)
Frequency Stability vs. Temperature	±1.5 ppm ±2 ppm; ±2.5 ppm; ±5 ppm;
Temperature Range	0° C to 70° C; -40° C to 85° C; 0° C to 50° C; -30° C to 75° C
Standard Stability	±2.5 ppm / -30°C to 75°C
Frequency vs. Voltage	±0.2 ppm maximum / V ± 5%
Frequency vs. Load	±0.2 ppm maximum / 10 kOhms or 10 pF ±10%
Aging	±1.0 ppm maximum per year at 25°C
Output Load	10 kOhms or 10 pF ±10%
Output Waveform	Clipped sine wave
Output Level	0.8Vp-p minimum
Start-up Time	2 ms (Typical)
SSB Phase Noise	-125 dBc/Hz at 1 KHz
Control Voltage (Vc, Option)	+2.5±1.0 VDC for Vcc = 5.0V; 1.5±1.0 VDC for Vcc = 3.0V
Controllable Frequency	±12 ppm minimum for Vcc = 5.0V; ±8 ppm minimum for Vcc = 3.0V

