

AS9100 / ISO9001 Certified

ULTRA MINIATURE SMD

## Features

- RoHS compliant, Tight Stability over Wide Temperature Range, 3.2 mm x 2.5 mm x 1.0 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 52 MHz
Input Voltage (Vcc)	3.3V±5%; 3.0V±5%; 2.8V±5%
Input Current	2.2 mA maximum at 3 V (25°C)
Frequency Stability vs. Temperature	±5 ppm; ±1 ppm; ±2.5 ppm;
Temperature Range	0° C to 70° C; -40° C to 85° C; -30° C to 75° C; -30° C to 85° C
Frequency Tolerance	±1.0 ppm maximum, after reflow ( 25°C )
Frequency vs. Voltage	±0.2 ppm maximum / V ± 10%
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	4 ms (Typical)
SSB Phase Noise	-130 dBc/Hz at 10 KHz (Typical)
Control Voltage (Vc, Option)	+0.9V ±0.6V, Positive polarity
Controllable Frequency	±3 ppm to ±5 ppm over control voltage range (0.3V to 1.5V)

