

AS9100 / ISO9001 Certified

ULTRA MINIATURE SMD

Features

- RoHS compliant, Tight Stability over Wide Temperature Range, 7 mm x 5 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 27 MHz
Standard Frequency	12.6/12.8/13.0/14.4/14.85/16.8/19.2/19.44/19.68/19.8 MHz
Input Voltage (Vcc)	5.0 V \pm 5%; 3.3V \pm 5%; 3.0V \pm 5%; 2.8V \pm 5%
Input Current	2.0 mA Maximum at 3 V (25°C)
Frequency Stability vs. Temperature	\pm 1.5 ppm; \pm 2 ppm; \pm 2.5 ppm; \pm 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	\pm 2.5 ppm / -30°C to 75°C
Frequency vs. Voltage	\pm 0.2 ppm maximum / V \pm 5%
Frequency vs. Load	\pm 0.2 ppm maximum / 10 kOhms or 10 pF \pm 10%
Aging	\pm 1 ppm Maximum per year at 25°C
Output Load	10 kOhms or 10 pF \pm 10%
Output Waveform	Clipped Sine wave
Output Level	1.0Vp-p minimum for Vcc=5.0V; 0.8Vp-p minimum for Vcc=3.3V
Controllable Frequency Option	\pm 10 ppm Minimum over control voltage range
Control Voltage (Vc)	2.5 \pm 2.0 VDC for Vcc = 5 VDC; 1.65 \pm 1.5 VDC for Vcc = 3.3 VDC
Setability of Vc at Fnom, 25°C	2.5 \pm 0.5 V DC for 5.0V part; 1.65 \pm 0.4 VDC for 3.3V part

