



MINIATURE SINEWAVE OUTPUT OCXO IN 14 PIN DIP PACKAGE - OC14S Series

FEATURES

- Wide Frequency Range (8 MHz to 100 MHz), 50 Ohms Sinewave Output
- AT-cut Crystal, Stratum3 or Better Stability
- Voltage Control Option, Industry Standard Lead Spacing
- Standard Frequencies: 10, 12, 12.8, 13, 14.4, 16.384, 32.768, 100.00 MHz

SPECIFICATIONS

Frequency Stability vs. Temp 100 = ±100 ppb; 500 = ±500 ppb; 1000 = ±1000 ppb
Temperature Range A = 0°C to 70°C; B = -40°C to 85°C; D = -20°C to 70°C
Aging (after 30 days) 5E-7 first year, at 10MHz
Initial Tolerance ±0.5 ppm Typ, at 25°C, Vc = 1/2 Vcc
Frequency vs. Load 5E-8 Typ / ±5% load change
Frequency vs. Voltage 5E-8/V Typ

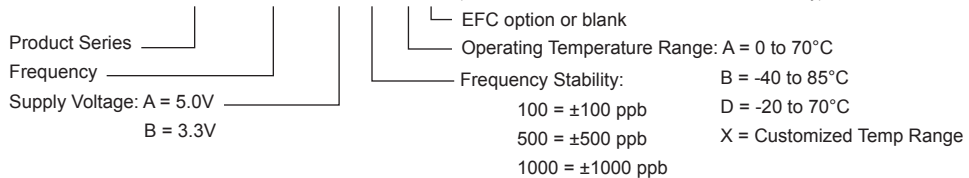
Phase Noise (Max, 10MHz) -100 dBc/Hz @10Hz, -125 dBc/Hz @100Hz
 -140 dBc/Hz @1KHz, -150 dBc/Hz @10KHz
Retrace ±0.05 ppm Maximum after 30 minutes
G-Sensitivity ±0.002 ppm/G, Worst direction

Input Voltage (Vcc) A = +5 VDC ± 5%
Input Current (Max) Steady state: 150 mA at 25°C; Start-up: 500 mA

Output Load 50 Ohms
Warm-up Time 3 minutes Maximum, to ±0.1 ppm accuracy
Output Waveform & Level Sinewave, +3 dBm
Harmonic Attenuation -40 dB Typ, -30 dB Minimum
Spurious Attenuation -80 dB Typ, -75 dB Minimum
EFC Range ±5 ppm Typ, with control voltage Vc = 0.5V to 4.5V
Linearity / Slope ±10% Maximum of best straight line fit / Positive
EFC Input Impedance 100 kOhms Minimum

Creating a Part Number

OC14S-19M440-A 500 B V (Not all combinations are available. Consult factory)



OUTLINE DRAWING

