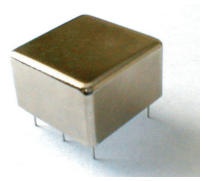


SINEWAVE OUTPUT OCXO IN 1"x1" DIP PACKAGE - OC25S Series

FEATURES

- Wide Frequency Range (4 MHz to 100 MHz), 50 Ohms Sinewave Output
- AT-cut or SC-cut Crystal, Stratum3 or Better Stability, 5V or 12V Supply Voltage
- Voltage Control Option, Industry Standard Lead Spacing
- Standard Frequencies: 10, 12, 12.8, 13, 14.4, 16.384, 32.768, 100.00 MHz

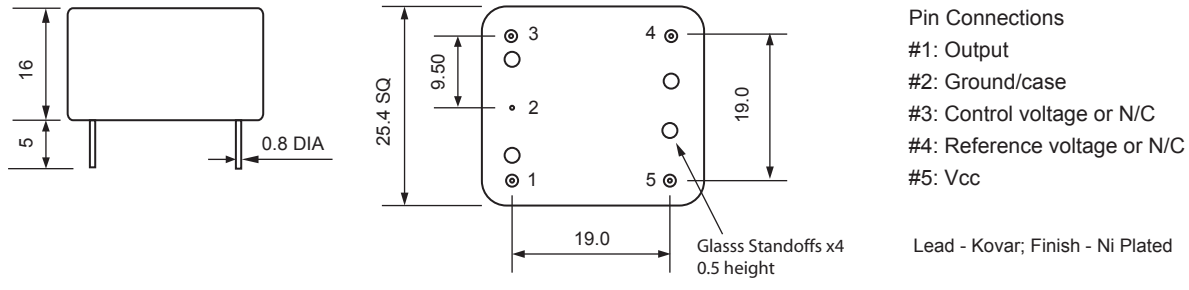
SPECIFICATIONS

Frequency Stability vs. Temp	50 = ±50 ppb; 100 = ±100 ppb; 500 = ±500 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)	**1**E-7 first year, at 10MHz AT-cut
Initial Tolerance	±0.05 ppm Typ, at 25°C, Vc = 1/2 Vcc
Frequency vs. Load	±0.02 ppm Typ / ±5% load change
Frequency vs. Voltage	±0.02 ppm/V Typ
Storage Temperature Range	-40°C to 105°C
Phase Noise(Typ,10MHz,AT-cut)	-115 dBc/Hz @10Hz, -135 dBc/Hz @100Hz -150 dBc/Hz @1KHz, -155 dBc/Hz @10KHz
G-Sensitivity	±0.002 ppm/G, Worst direction
Inpuy Voltage (Vcc)	A = +5 VDC ± 5%; T = +12 VDC ± 5%; U = +15 VDC ± 5%
Input Current (Max)	Steady state: 200 mA / 120 mA for Vcc = 5V / 12V at 25°C Start-up: 500 mA / 250 mA for Vcc = 5V / 12V
Output Load	50 Ohms
Warm-up Time	3 minutes Maximum, to ±0.1 ppm accuracy
Output Waveform & Level	Sinewave, +3 dBm / +5 dBm Typ for Vcc = 5V / 12V
Harmonic Attenuation	-40 dB Typ, -30 dB Minimum
Spurious Attenuation	-80 dB Typ, -75 dB Minimum
EFC Range	±5 ppm/AT-cut, ±0.7 ppm/SC-cut, 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 **OC25S-12M800-A 50 D V** (Not all combinations are available. Consult factory)

- Product Series
- Frequency
- Supply Voltage: A = 5.0V, T = 12V, U = 15V
- Frequency Stability: 50 = ±50 ppb, 100 = ±100 ppb, 500 = ±500 ppb
- Operating Temperature Range: A = 0 to 70°C, B = -40 to 85°C, D = -20 to 70°C, X = Customized Temp Range
- EFC option or blank

OUTLINE DRAWING



Pin Connections
#1: Output
#2: Ground/case
#3: Control voltage or N/C
#4: Reference voltage or N/C
#5: Vcc

Lead - Kovar; Finish - Ni Plated

All dimensions are typical unless otherwise specified

Dimensions in Millimeters