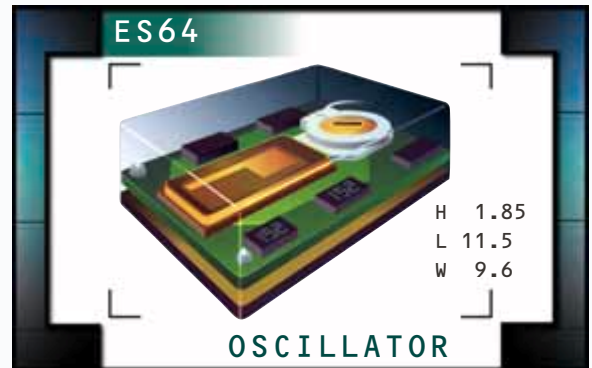


ES64 Series

- Temperature Compensated Crystal Oscillator (TCXO)
- Sinewave Output
- 5.0V or 3.0V Supply Voltage
- Four pad surface mount
- Stability to 1.5ppm
- Internal and or external voltage control option available



NOTES

ELECTRICAL SPECIFICATIONS

Frequency Range		10.000MHz to 22.000MHz (Standard Frequencies: 12.800MHz, 13.000MHz, and 14.400MHz)
Storage Temperature Range		-30°C to 85°C
Operating Temperature Range		See Table 1
Supply Voltage (V_{DD})		5.0V _{DC} ±5% or 3.0V _{DC} ±5%
Load Drive Capability		10kOhms // 10pF
Input Current		2.0mA Maximum
Aging (at 25°C)		±1ppm / Year Maximum
Frequency Deviation Options		
Internal Trim Only (Top of Can)		±3ppm Minimum
External Trim Only (Voltage Control)		±8ppm Minimum
External Trim and Internal Trim		±5ppm Minimum (Control Voltage); ±3ppm Minimum (Internal Trim)
Output Voltage		w/5.0V _{DC} ±5% Supply Voltage 1.0Vp-p Clipped Sinewave Minimum w/3.0V _{DC} ±5% Supply Voltage 0.7Vp-p Clipped Sinewave Minimum
Frequency Stability		vs. Operating Temperature Range See Table 1 vs. Frequency Tolerance (25°C ±2°C) ±0.5ppm Maximum w/ Internal Trim Only, ±0.5ppm Maximum w/ Internal and External Trim, ±2ppm Maximum w/ External Trim Only vs. Input Voltage (±5%) ±0.3ppm Maximum vs. Load (±1kΩ//±1pF) ±0.3ppm Maximum

ES64 25 E V 5 - 12.800M TR