



Series Number		QXO-9010	QXO-9030
Frequency Range		5 ~ 40 MHz	
Supply Voltage		+3.3V ±5%	+5.0V ±5%
Initial Calibration Tolerance		±500 ppb (max) V _{con} = +1.65V	±500 ppb (max) V _{con} = +2.5V
Frequency Stability	vs. Temperature (refer to 25°C)	±5ppb (max) over 0°C to +70°C	
		±10ppb (max) over -30°C to +70°C	
		±10ppb (max) over -40°C to +85°C	
	vs. Voltage Change	±0.5ppb (max) for a ±5% voltage change	
	vs. Warm-up time (to 25°C)	3 minute maximum within ±50 ppb of its reference frequency	
vs. Aging	±0.5ppb max after 30 days ±50ppb max after one year ±300ppb max over 10 years		
Voltage Control On pin 1 (EFC) (Electronic frequency tuning)	Frequency Deviation Range	±0.5ppm (min), ±2ppm (max). Reference to FO at ±25°C and over operating temperature range	
	Control Voltage Range	+1.65V ±1.65V	+2.5V ±2.5V
	Transfer Function	Positive: Increasing control voltage increases output frequency	
	Input Impedance	100 kΩ (min)	
	EFC Linearity	±10% (max)	
Power	Power Dissipation (at +25°C)	1.3 watts (max) at steady state; 800mA (max) at turn-on.	
Output	Output Logic High (V _{OH})	+2.4V (min)	+3.5V (min)
	Output Logic Low (V _{OL})	+0.5V (max)	
	Duty Cycle (V _{DD})	50% ±5% @ +2.0V	
	Load	15pF	
	Rise and Fall Time	7 ns (max) (from 20% to 80% of waveform)	
	Phase Noise Offset (20 MHz) (Typical)	10 Hz : -115 dBc 100 Hz : -135 dBc	1 kHz : -145 dBc 10 kHz : -150 dBc

Note: The above specifications are typical only. Please contact our Sales Department for specific requirements.

