



Series Number		QXO-9110	QXO-9130
Frequency Range		5 ~ 40 MHz	
Supply Voltage		+3.3V ±5%	+5.0V ±5%
Initial Calibration Tolerance		±500 ppb (max)	±500 ppb (max)
		Vcon = +1.65V	Vcon = +2.5V
Frequency Stability	vs. Temperature (refer to 25°C)	±50ppb (max) over 0°C to +70°C	
		±100ppb (max) over -30°C to +70°C	
		±100ppb (max) over -40°C to +85°C	
	vs. Voltage Change	±50ppb (max) for a ±5% voltage change	
	vs. Warm-up time (to 25°C)	10 minute maximum within ±100ppb of its reference frequency	
vs. Aging	±5ppb max after 30 days ±500ppb max after one year ±3ppm max over 10 years		
Voltage Control On pin 1 (EFC)	Frequency Deviation Range	> ±5ppm. Reference to FO at ±25°C and over operating temperature range	
	Control Voltage Range	+1.65V ±1.65V	+2.5V ±2.5V
(Electronic frequency tuning)	Transfer Function	Positive: Increasing control voltage increases output frequency.	
	Input Impedance	50 kΩ (min)	
	EFC Linearity	±10% (max)	
Power	Power Dissipation (at +25°C)	0.8 watts (max) at steady state; 600mA (max) at turn-on.	
Output	Output Logic High (V _{OH})	+2.4V (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)	1 Hz : -70 dBc 10 Hz : -108 dBc	1 kHz : -140 dBc 10 kHz : -150 dBc

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

