



Series Number		QXO-9310	QXO-9330
Frequency Range		5 ~ 40 MHz	
Supply Voltage		+3.3V ±5%	+5.0V ±5%
Initial Calibration Tolerance		±100 ppb (max)	±100 ppb (max)
		Vcon = +1.65V	Vcon = +2.5V
Frequency Stability	vs. Temperature (refer to 25°C)	±3ppb (max) over 0°C to +70°C	
		±5ppb (max) over -30°C to +70°C	
		±5ppb (max) over -40°C to +85°C	
	vs. Voltage Change	±1ppb (max) for a ±5% input voltage change	
	vs. Warm-up time (to 25°C)	10 minute maximum within ±10ppb 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)	Frequency Deviation Range	±0.5ppm (min), ±5ppm (max). 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)	1.3 watts (max) at steady state; 1000mA (max) at turn-on	
Output	Output Level (for True Sine)	+8 dBm (typ.), +10 dBm (max) into 50Ω load	
	Harmonic (for True Sign)	-30 dBc (min)	
	Spurious (for True Sign)	-60 dBc (min)	
	Load	50Ω	
	Phase Noise Offset (20 MHz) (Typical)	10 Hz : -120 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.

