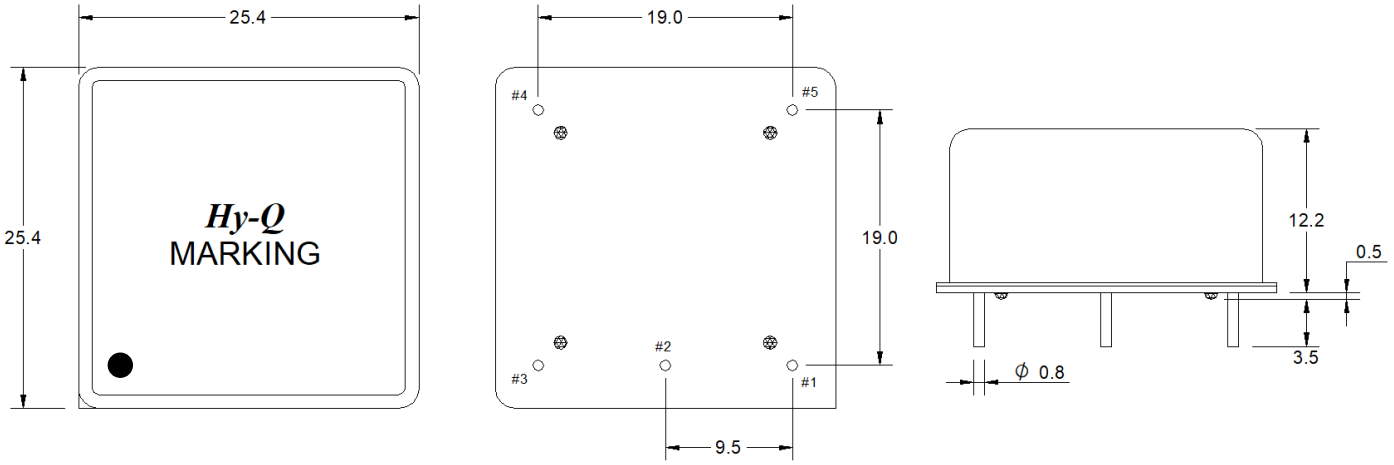

PIN CONNECTIONS	
#1 Output	#4 N/C
#2 Ground	#5 V_{DD}
#3 Vcont	

Series Number		QXO-9210	QXO-9230
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) (Electronic frequency tuning)	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
	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 Logic High (V_{OH})	+2.4V (min)	
	Output Logic Low (V_{OL})	+0.4V (max)	
	Duty Cycle (V_{DD})	50% ±5% @ +1.4V	
	Load	15pF	
	Rise and Fall Time	7 ns (max) (from 20% to 80% of waveform)	
	Phase Noise Offset (10 MHz) (Typical)	10 Hz : -120 dBc 1 kHz : -145 dBc 100 Hz : -135 dBc 10 kHz : -150 dBc	

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

RoHS compliant REACH

Ref.No. 1012-0348-00-00 25 March 2021 All dimensions are in mm and within manufacturing tolerances. Specifications subject to change without notice