

IQXO-899, -909



ISSUE 9; 10 APRIL 2002

Delivery Options

- Please contact our sales office for current leadtimes

Output Compatibility

- ECL 10kH (IQXO-899)
- Dual Complimentary ECL 10kH (IQXO-909)

Package Outline

- 14-pin DIL compatible resistance welded enclosure, hermetically sealed with glass to metal seals.

Standard Frequency Stabilities

- $\pm 50\text{ppm}$, $\pm 100\text{ppm}$
(inclusive of supply voltage variations over the operating temperature range)

Operating Temperature Range

- 0 to 70°C

Storage Temperature Range

- -55 to 125°C

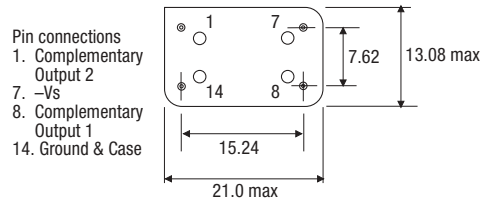
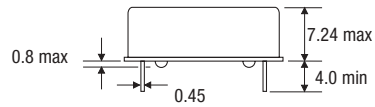
Marking

- Model number
- Frequency Stability Code
- Frequency
- Date Code (Year/Week)

Minimum Order Information Required

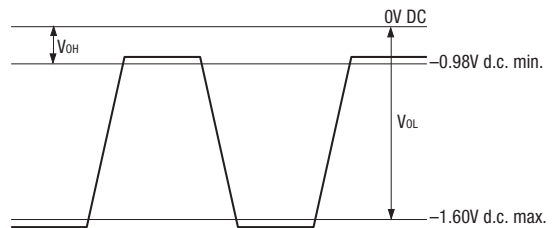
- Frequency + Model Number + Frequency Stability

Outline in mm

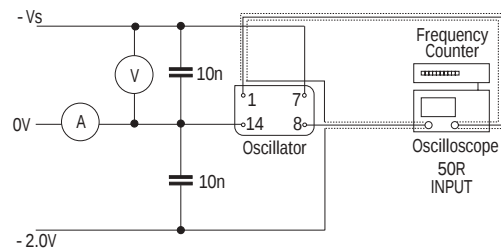


Note: Pin 1 = No connection on IQXO-899, Pin 8 = Output

Logic Levels



Test Circuit



Note: Pin 1 = No connection on IQXO-899

Electrical Specifications - maximum limiting values when measured in test circuit.

Frequency Range	Frequency Stability	Supply Voltage	Supply Current	Rise Time(t_r)	Fall Time(t_f)	Duty Cycle	Model Number
30.0 to < 70.0MHz	$\pm 50\text{ppm}$, $\pm 100\text{ppm}$	$-5.2\text{V} \pm 0.25\text{V}$	60mA	2ns	2ns	40/60%	IQXO-899, -909
70.0 to < 125.0MHz	$\pm 50\text{ppm}$, $\pm 100\text{ppm}$	$-5.2\text{V} \pm 0.25\text{V}$	60mA	2ns	2ns	40/60%	IQXO-899, -909
125.0 to 170.0MHz	$\pm 50\text{ppm}$, $\pm 100\text{ppm}$	$-5.2\text{V} \pm 0.25\text{V}$	60mA	2ns	2ns	40/60%	IQXO-899, -909

Note: ECL output require a pull-down resistor in the range 270 Ω to 2k Ω to the most negative rail.

Ordering Example

125.0MHz

IQXO-899

B

Frequency _____

Model number _____

Frequency Stability: B = $\pm 50\text{ppm}$, C = $\pm 100\text{ppm}$ _____

Output Waveform

