

# IQXO-904, -919

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## Delivery Options

- Please contact our sales office for current leadtimes

## Output Compatibility

- PECL 10kHz (IQXO-904)
- Dual Complementary PECL 10kHz (IQXO-919)

## 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

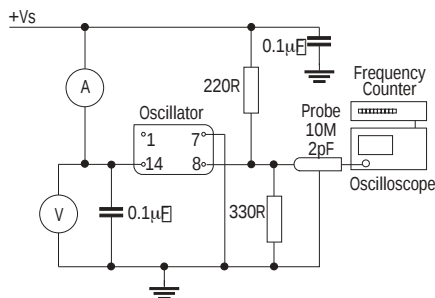
## Marking

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

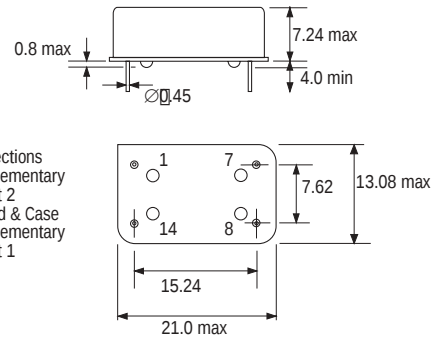
## Minimum Order Information Required

- Frequency + Model Number + Frequency Stability

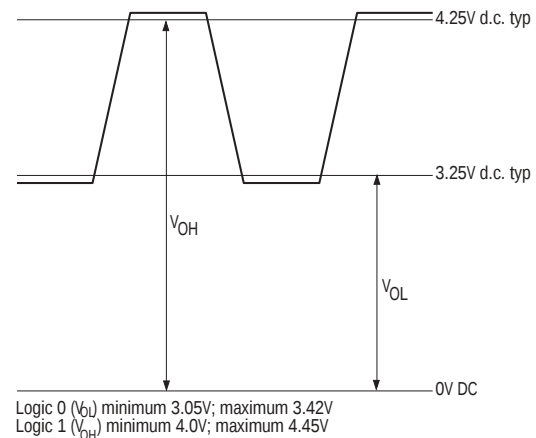
## Test Circuit - IQXO-904



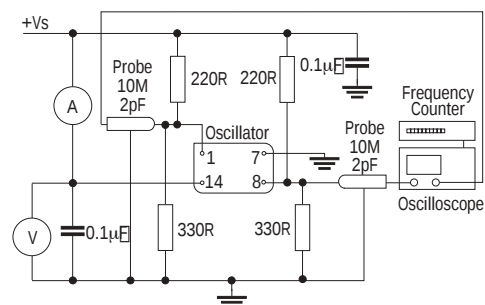
## Outline in mm



## Logic Levels



## Test Circuit - IQXO-919



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                                                           | $\pm 50\text{ppm}, \pm 100\text{ppm}$ | $5\text{V} \pm 0.25\text{V}$ | 60mA           | 2ns                | 2ns                | 40/60%     | IQXO-904, -919 |
| 70.0 to < 125.0MHz                                                          | $\pm 50\text{ppm}, \pm 100\text{ppm}$ | $5\text{V} \pm 0.25\text{V}$ | 60mA           | 2ns                | 2ns                | 40/60%     | IQXO-904, -919 |
| 125.0 to 170.0MHz                                                           | $\pm 50\text{ppm}, \pm 100\text{ppm}$ | $5\text{V} \pm 0.25\text{V}$ | 60mA           | 2ns                | 2ns                | 40/60%     | IQXO-904, -919 |
| <b>Ordering Example</b>                                                     |                                       |                              |                | 125.0MHz           | IQXO-919           | B          |                |
| Frequency _____                                                             |                                       |                              |                |                    |                    |            |                |
| Model number _____                                                          |                                       |                              |                |                    |                    |            |                |
| Frequency Stability: B = $\pm 50\text{ppm}$ , C = $\pm 100\text{ppm}$ _____ |                                       |                              |                |                    |                    |            |                |

Output Waveform

