

PRODUKTINFORMATION



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INTERNET
<http://www.elfa.se>

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— Vi reserverar oss mot fel samt förbehåller oss rätten till ändringar utan föregående meddelande —

ELFA artikelnr.

Antal sidor: 03

74-570-05 3,6864 MHz Osc 8pin

74-570-13 4,0 MHz Osc 8pin

74-570-21 8,0 MHz Osc 8pin

74-570-39 10,0 MHz Osc 8pin

74-570-47 12,0 MHz Osc 8pin

74-570-54 12,288 MHz Osc 8pin

74-570-62 14,31818 MHz Osc 8pin

74-570-70 14,7456 MHz Osc 8pin

74-570-88 16,0 MHz Osc 8pin

74-570-96 20,0 MHz Osc 8pin

74-571-04 24,0 MHz Osc 8pin

74-571-12 24,576 MHz Osc 8pin

74-571-20 25,0 MHz Osc 8pin

74-571-38 32,0 MHz Osc 8pin

74-571-46 32,768 MHz Osc 8pin

74-571-53 40,0 MHz Osc 8pin

74-571-61 50,0 MHz Osc 8pin

74-571-79 60 MHz Osc 8pin

74-571-87 64,0 MHz Osc 8pin

74-571-95 80 MHz Osc 8pin

IQXO-22, -22I Commercial Oscillator

ISSUE 12; 28 AUGUST 1996

Outline (mm)

Delivery Options

- Common frequencies are available from stock. Please see p32 for details
- 3 day Express Manufacturing Service, subject to piece part stock availability.

Output Compatibility

- HCMOS/TTL
- Drive Capability: 50pF or 10 TTL

Holder Style

- 8-pin DIL compatible resistance welded enclosure, hermetically sealed with glass to metal seals. Available over 0 to 70°C (IQXO-22) or -40 to 85°C (IQXO-22I)

Standard Frequency Stabilities

- $\pm 25\text{ppm}$, $\pm 50\text{ppm}$, $\pm 100\text{ppm}$
(over operating temperature range)

Frequency Tolerance at 25°C (Optional)

- $\pm 5\text{ppm}$, $\pm 10\text{ppm}$, $\pm 25\text{ppm}$

Operating Temperature Range

- 0 to 70°C (IQXO-22)
- -40 to 85°C (IQXO-22I)

Storage Temperature Range

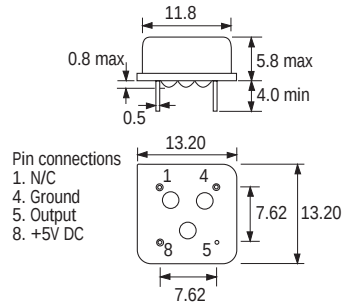
- -55 to 125°C

Environmental Specification

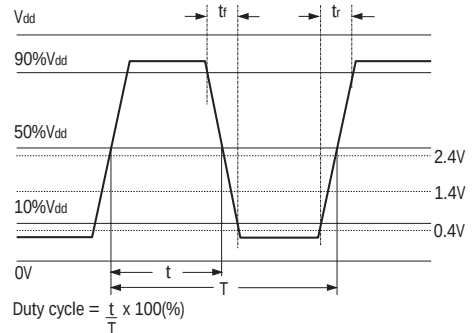
- Terminal Strength: 9.1kg max. Force perpendicular to top & bottom.
- Hermetic Seal: not to exceed 1×10^{-8} mBar litres of Helium leakage
- Solderability: MIL-STD-202E, Method 208C
- Vibration: 10 to 55Hz 0.76mm displacement, sweep 60 seconds, duration 2 hours.
- Rapid Change of Temperature over Operating Temperature Range: 10 cycles
- Shock: 981m/s^2 for 6ms, three shocks in each direction along the three mutually perpendicular planes

Marking

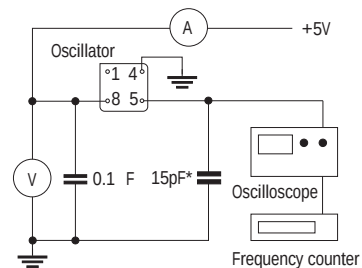
- Model number (+ Operating Temperature Code; if applicable)
- Frequency Stability Code
- Frequency Tolerance Code (Optional)
- Frequency
- Date code (Year/Week)



Output Waveform - HCMOS/TTL



Test Circuit - HCMOS



*Inclusive of jigging & equipment capacitance

Minimum Order Information Required

- Frequency + Model Number + Operating Temperature Code (If applicable)+ Frequency Stability

Electrical Specification – maximum limiting values when measured in HCMOS test circuit

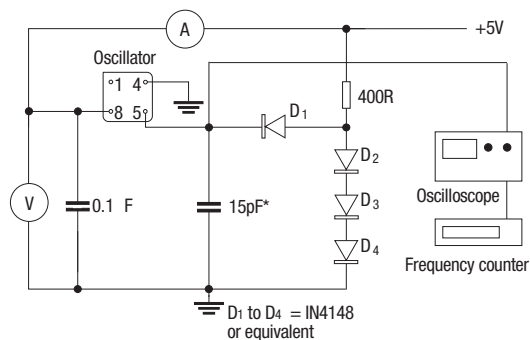
Frequency Range	Frequency Stability	Supply Voltage	Supply Current	Rise Time (t_r)	Fall Time (t_f)	Duty Cycle	Model Number
500.0kHz to < 5.0MHz	$\pm 25\text{ppm}$, $\pm 50\text{ppm}$ & $\pm 100\text{ppm}$	$5V \pm 0.25V$	20mA	15ns	15ns	45/55%	IQXO-22,-22I
5.0 to < 16.0MHz	$\pm 25\text{ppm}$, $\pm 50\text{ppm}$ & $\pm 100\text{ppm}$	$5V \pm 0.25V$	20mA	10ns	10ns	45/55%	IQXO-22,-22I
16.0 to < 30.0MHz	$\pm 25\text{ppm}$, $\pm 50\text{ppm}$ & $\pm 100\text{ppm}$	$5V \pm 0.25V$	30mA	10ns	10ns	45/55%	IQXO-22,-22I
30.0 to < 50.0MHz	$\pm 25\text{ppm}$, $\pm 50\text{ppm}$ & $\pm 100\text{ppm}$	$5V \pm 0.25V$	40mA	8ns	8ns	45/55%	IQXO-22,-22I
50.0 to 80.0MHz	$\pm 25\text{ppm}$, $\pm 50\text{ppm}$ & $\pm 100\text{ppm}$	$5V \pm 0.25V$	50mA	8ns	8ns	40/60%	IQXO-22,-22I

Ordering Example

Frequency 22.0MHz IQXO-22I B E
 Model No _____
 Operating Temperature Code: I= -40 to 85°C Not applicable for 0 to 70°C _____
 Frequency Stability: A= $\pm 25\text{ppm}$; B = $\pm 50\text{ppm}$; C = $\pm 100\text{ppm}$ _____
 Frequency Tolerance @ 25°C: D= $\pm 5\text{ppm}$; E= $\pm 10\text{ppm}$; F = $\pm 25\text{ppm}$ _____

Please note: Code combination A F is not available

Test Circuit - TTL



*Inclusive of jigging & equipment capacitance