

PRODUKTINFORMATION



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

ELFA artikelnr.

Antal sidor: 03

74-557-69	32,768 kHz oscillator	74-559-00	16,384 MHz oscillator
74-557-77	1,0 MHz oscillator	74-559-18	18,432 MHz oscillator
74-557-85	1,8432 MHz oscillator	74-559-26	19,6608 MHz oscillator
74-557-93	2,0 MHz oscillator	74-560-56	20,0 MHz HCMOS oscillator
74-558-01	2,4576 MHz oscillator	74-560-64	24,0 MHz HCMOS oscillator
74-558-19	3,6864 MHz oscillator	74-559-34	25,0 MHz oscillator
74-560-07	4,0 MHz HCMOS oscillator	74-559-42	30,0 MHz oscillator
74-558-27	4,096 MHz oscillator	74-560-72	32,0 MHz HCMOS oscillator
74-558-35	4,9152 MHz oscillator	74-559-59	32,768 MHz oscillator
74-558-43	5,0 MHz oscillator	74-559-67	33,333 MHz oscillator
74-558-50	6,0 MHz oscillator	74-560-80	40,0 MHz HCMOS oscillator
74-560-15	8,0 MHz HCMOS oscillator	74-559-75	48,0 MHz oscillator
74-558-68	9,8304 MHz oscillator	74-560-98	50,0 MHz HCMOS oscillator
74-560-23	10,0 MHz HCMOS oscillator	74-559-83	60,0 MHz oscillator
74-558-76	11,2896 MHz oscillator	74-559-91	64,0 MHz oscillator
74-560-31	12,0 MHz HCMOS oscillator	74-561-06	66,0 MHz HCMOS oscillator
74-558-84	12,288 MHz oscillator	74-566-01	72,0 MHz oscillator
74-558-92	14,7456 MHz oscillator	74-566-19	80,0 MHz oscillator
74-560-49	16,0 MHz HCMOS oscillator		

IQXO-350, -350I Commercial Oscillator

ISSUE 12; 19 JUNE 1997

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 (1.0 to < 100.0kHz 15pF or 10 LS TTL only)

Holder Style

- 14-pin DIL compatible resistance welded enclosure, hermetically sealed with glass to metal seals. Available over 0 to 70°C (IQXO-350) or -40 to 85°C (IQXO-350I)

Standard Frequency Stabilities

- ±25ppm, ±50ppm, ±100ppm (over operating temperature range)

Frequency Tolerance at 25°C (Optional)

- ±5ppm, ±10ppm, ±25ppm

Operating Temperature Range

- 0 to 70°C (IQXO-350)
- 40 to 85°C (IQXO-350I)

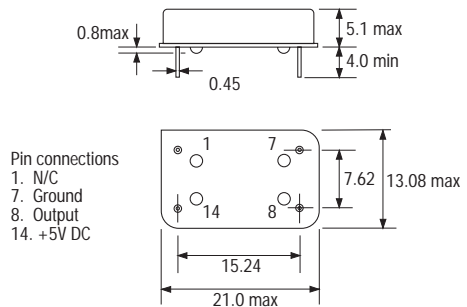
Storage Temperature Range

- 55 to 125°C

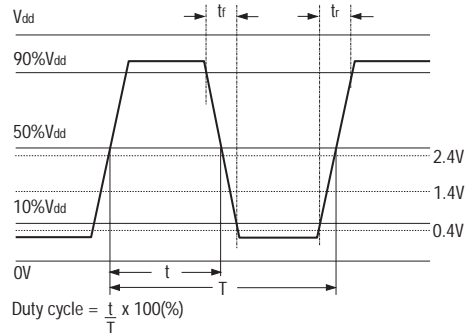
Environmental Specification

- 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/s² for 6ms, three shocks in each direction along the three mutually perpendicular planes

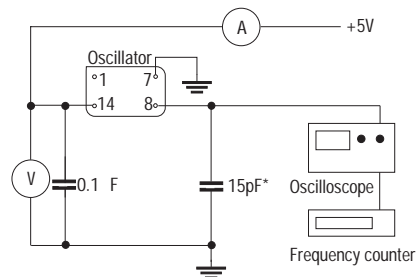
Outline (mm)



Output Waveform - HCMOS/TTL/LS TTL



Test Circuit - HCMOS



*Inclusive of jigging & equipment capacitance

Marking

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

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
1.0 to < 100.0kHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	10mA	10ns	10ns	45/55%	IQXO-350, 350I
100.0 to < 250.0kHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	10mA	15ns	15ns	40/60%	IQXO-350, 350I
250.0kHz to < 5.0MHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	30mA	15ns	15ns	45/55%	IQXO-350, 350I
5.0 to < 16.0MHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	15mA	10ns	10ns	45/55%	IQXO-350, 350I
16.0 to < 30.0MHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	30mA	10ns	10ns	45/55%	IQXO-350, 350I
30.0 to < 50.0MHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	40mA	8ns	8ns	45/55%	IQXO-350, 350I
50.0 to 80.0MHz	±25ppm, ±50ppm & ±100ppm	5V±0.25V	50mA	8ns	8ns	40/60%	IQXO-350, 350I

Ordering Example

22.0MHz IQXO-350I B F

Frequency _____

Model No _____

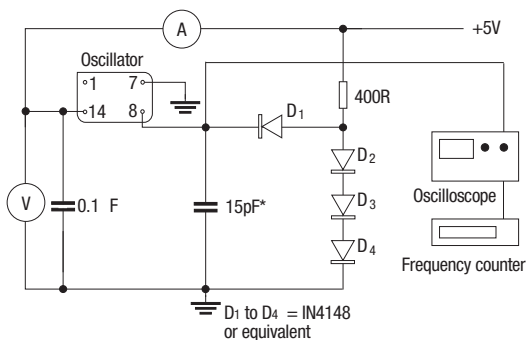
Operating Temperature Code: I= -40 to 85°C Not applicable for 0 to 70°C _____

Frequency Stability: A= ±25ppm; B = ±50ppm; C= ±100ppm _____

Frequency Tolerance @ 25°C: D= ±5ppm; E= ±10ppm; F = ±25ppm _____

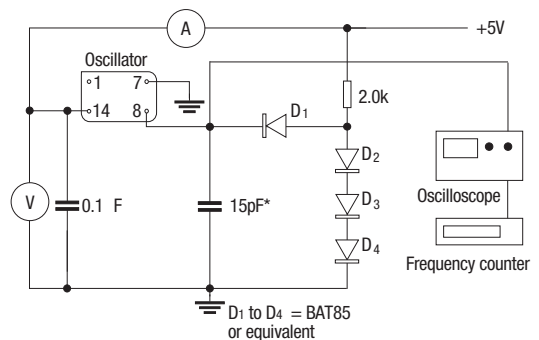
Please note: Code combination A F is not available

Test Circuit - TTL



*Inclusive of jigging & equipment capacitance

Test Circuit - LS TTL



*Inclusive of jigging & equipment capacitance