

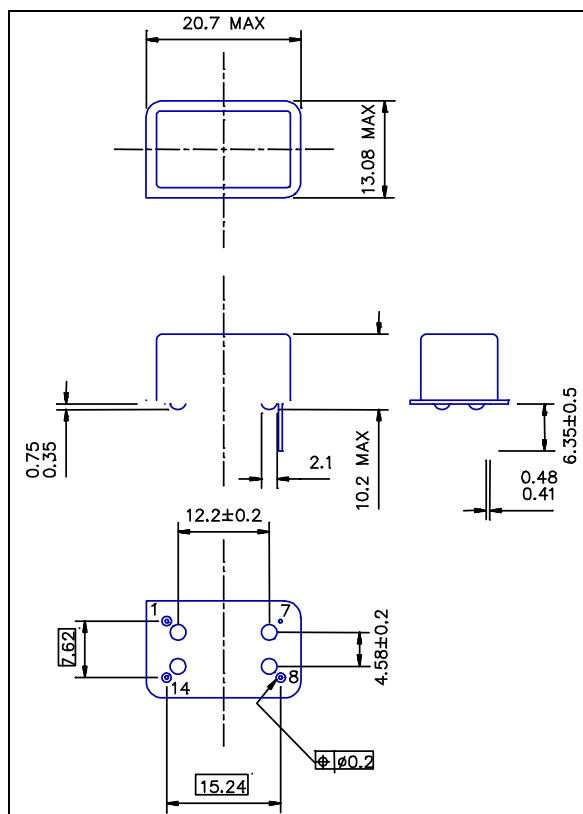
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<u>Pin</u>	<u>Function</u>
1	Do not connect
7	Ground
8	Output
14	Supply Voltage, V_s

- 1) Manufacturer (RAKON)
- 2) Device number (Exxxx)
- 3) Frequency (38.88 MHz)
- 4) Date Code (YYWWL)
- 5) Antistatic symbol (Δ , denotes pin 1)

Frequency F0	38.88 MHz
Supply Voltage, Vs	3.3 V ± 5%
Input Current	≤ 15 mA
Output	
Type	HCMOS
Load	15 pF
Vol	≤ 10% Vs
Voh	≥ 90% Vs
Rise time 10% to 90%	≤ 8 ns
Fall time 90% to 10%	≤ 8 ns
Duty Cycle, @ 50%	45% to 55%

Ageing, 10 years incl. year 1

 $\leq \pm 3.0 \text{ ppm}$ 

Oscillator Specification: E4496LF/E4497LF

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Environmental:

Storage temperature range: -50 to 95°C

Vibration	IEC 60068-2-6 Test Fc Procedure B4, 10 - 58 Hz 1.5mm displacement, 58 - 500 Hz at 100 ms ⁻² (10 _{gn}), 30 minutes in each of three mutually perpendicular planes at 1 octave per minute.
Shock	IEC 60068-2-27 Test Ea, 1000ms ⁻² (100 _{gn}) acceleration for 6ms duration, half sine, shocks in each direction along 3 mutually perpendicular axes.
Sealing	IEC 60068-2-17 Test Qk (Fine Leak), (MIL-STD-202 Method 112 Test condition C) and IEC 60068-2-17 Test Qc (Gross Leak),(MIL-STD-202 Method 112 Test condition D)
Solderability	IEC 60068-2-20 Test Ta Method 1 (solder bath), (MIL-STD-202 Method 208), Temperature 235°C.
RoHS:	Parts are fully compliant with the European Union directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment. Note: These RoHS compliant parts are suitable for assembly using both Lead-free solders and Tin/Lead solders.
Marking	Indelibly marked, resistant to all common solvents.

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