

# OnSpec Oscillators



## DIL-8 10kHz series ECL Clock Oscillators

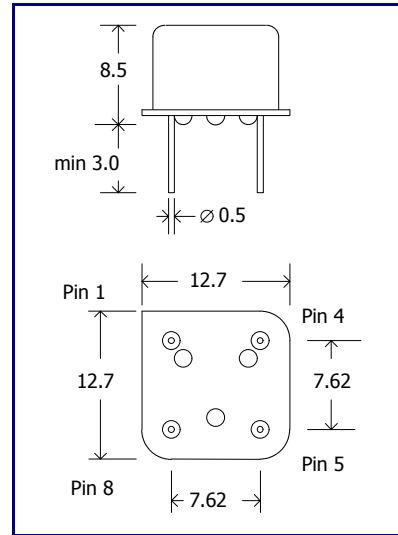
Emitter Coupled Logic (ECL), 10kHz series  
Clock Oscillators up to 140 MHz

These oscillators do not have temperature compensated output levels and are offered to provide compatibility with older systems.

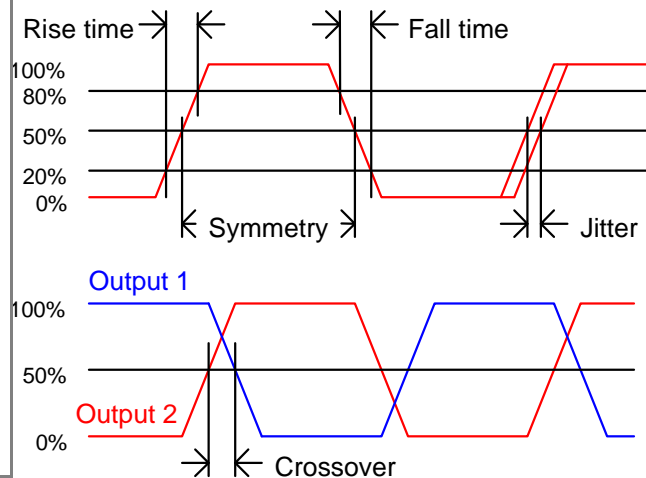
Positive or negative supply, single or dual outputs

Also available:- Better stabilities, 100k output, Full size (DIL-14),  
Fast Delivery service

Frequency	10 .. 140 MHz
Overall Stability	± 100 ppm
Output	<b>10kHz ECL</b>
$V_{OH}$	-40°C -1.080V ..-0.890V *
	0°C -1.020V ..-0.840V *
	25°C -0.980V ..-0.810V *
	85°C -0.910V ..-0.720V *
$V_{OL}$	-40°C -1.950V..-1.650V *
	0°C -1.950V..-1.630V *
	25°C -1.950V..-1.630V *
	85°C -1.950V..-1.595V *
Temperature	-40 .. +85°C
Rise & Fall times	1.2 ns max
Symmetry	55/45..45/55%
Crossover	500ps max
Jitter	10ps max
Supply Voltage	-5.5V .. -3.0V *
Supply Current	40mA max



### Timing Waveforms



### Specifications and Connections

	Pin 1	Pin 4	Pin 5	Pin 8
OSO-HSH-B00C	N/C	-V <sub>EE</sub>	Output	Ground
OSO-HSH-B00D	Output 1	-V <sub>EE</sub>	Output 2	Ground
OSO-HSH-B00E	N/C	Ground	Output	-V <sub>EE</sub>
OSO-HSH-B00F	Output 1	Ground	Output 2	-V <sub>EE</sub>
OSO-HSJ-B00C	N/C	Ground	Output	+V <sub>CC</sub>
OSO-HSJ-B00D	Output 1	Ground	Output 2	+V <sub>CC</sub>

The oscillator characteristics are specified with the outputs terminated with 50Ω to -2.0V.

The ground pin is connected to the case.

\* Note. All voltages are relative to the positive supply.

## OnSpec Oscillators Limited

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