

# OnSpec Oscillators



## 100k series ECL VCXO DIL-14

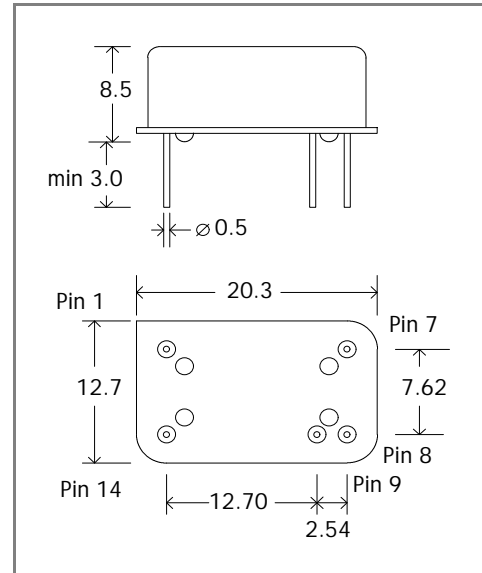
Emitter Coupled Logic (ECL), 100k series  
Voltage Controlled Oscillators up to 155 MHz

### 100k Series ECL Output

Negative supply,  
Single or Complimentary output

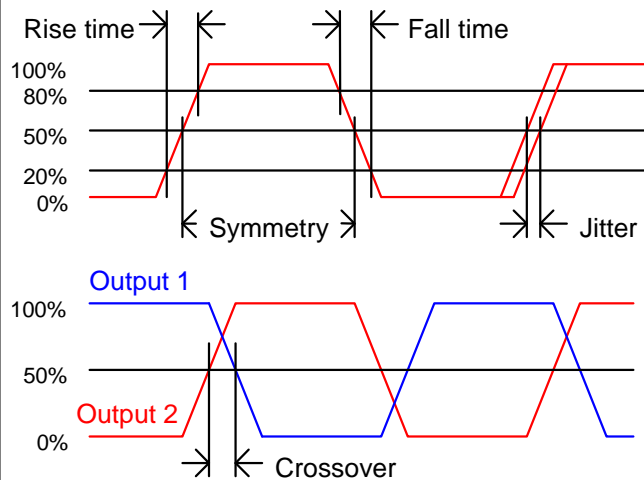
3.3 Volts Supply also Available

10kH Series also available



Frequency	10 .. 155 MHz
Pulling Range	± 100 ppm
Control Voltage	0.5 V - 5.0 V *
Overall Stability	± 30 ppm
Output	<b>100k series ECL</b>
$V_{OH}$	-1.035V .. -0.870V *
$V_{OL}$	-1.830V .. -1.620V *
Temperature	0 .. +85°C
Rise & Fall times 20%..80%	1.2 ns max
Symmetry	55/45..45/55%
Crossover	500ps max
Jitter	500ps max
Supply Voltage	-5.5V .. -4.2V *
Supply Current	40mA max

### Timing Waveforms



### Specifications and Connections

	Pin 1	Pin 7	Pin 8	Pin 9	Pin 14
OSO-DVE-B30C	Control	-V <sub>EE</sub>	Output	No Pin	Ground
OSO-DVE-B30D	Control	-V <sub>EE</sub>	Output 1	Output 2	Ground

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

The ground pin is connected to the case.

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

## OnSpec Oscillators Limited

Fax +44 (0)24 7664 2073

Tel +44 (0)24 7664 2024

Email sales@onspec.co.uk

May 2001