

# OnSpec Oscillators



**OSO-STC Series**  
**OSO-SEC Series**  
HCMOS Full-size clock oscillators

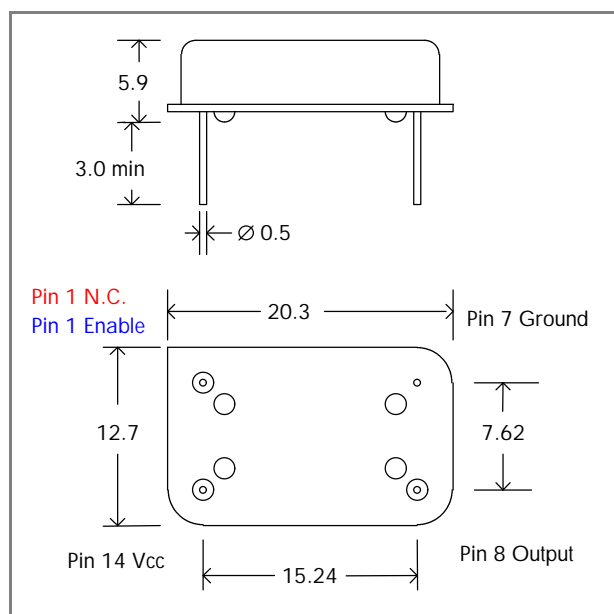
## HCMOS

Standard or Tristate  
clock oscillators  
Frequency range 1 MHz to 80 MHz  
**3.3 Volts up to 50 MHz**  
Fast Delivery Services:-  
48 hours, 5 day or 2 weeks

Range includes:- **Standard Oscillator**  
Half size Oscillator  
**Standard Tri-State**  
Half size Tri-State  
Dual output HCMOS  
TTL Oscillators

Frequency stabilities:-

<b>OSO-STC-B100</b>	<b>OSO-SEC-B100</b>	±100 ppm	} Including:- Adjustment Temperature 1 years aging voltage
<b>OSO-STC-B050</b>	<b>OSO-SEC-B050</b>	± 50 ppm	
<b>OSO-STC-B025</b>	<b>OSO-SEC-B025</b>	± 25 ppm	
<b>OSO-STC-B015</b>	<b>OSO-SEC-B015</b>	± 15 ppm	



Frequency range	1 - 80 MHz @ 5.0V and 1 - 50 MHz @ 3.3 V	
Temperature range	0 - 70°C (Except <b>OSO-STC-B015</b> & <b>OSO-SEC-B015</b> ) 0 - 50°C ( <b>OSO-STC-B015</b> & <b>OSO-SEC-B015</b> )	
Output drive	HCMOS:-	50 pF up to 25 MHz 15 pF above 25 MHz
$V_{OL}$ (max)	0.5 V	
$V_{OH}$ (min)	4.5 V	
Symmetry	55/45 - 45/55% @ 2.5V	
Rise and Fall times (max)	10ns 6ns	up to 40 MHz above 40 MHz
Supply Voltage	3.0 V - 5.5 V 5.0 V ± 0.5 V	1 to 50 MHz 1 to 80 MHz
Supply Current	30 mA maximum	

## OnSpec Oscillators Limited

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