

# OnSpec Oscillators



## OSO-HSC Series OSO-HEC Series HCMOS Half-size clock oscillators

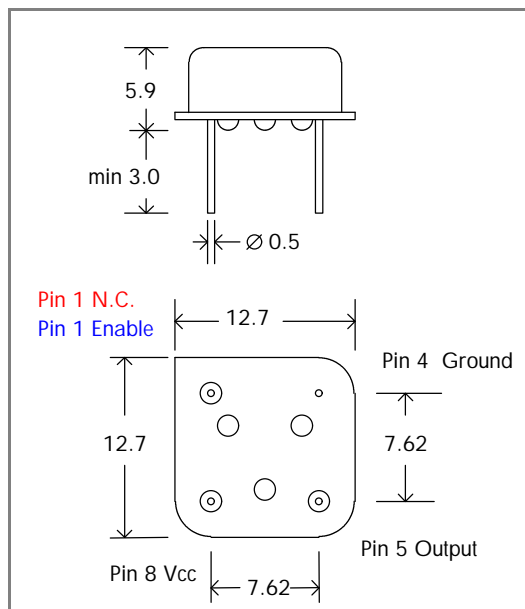
### HCMOS

Half size Standard or Tristate  
clock oscillators  
Frequency range 1 MHz to 80 MHz

3.3 Volts Supply 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



Frequency stabilities:-

|              |              |           |  |
|--------------|--------------|-----------|--|
| OSO-HSC-B100 | OSO-HEC-B100 | ± 100 ppm | } Including:-Adjustment<br>Temperature<br>1 years aging<br>voltage |
| OSO-HSC-B050 | OSO-HEC-B050 | ± 50 ppm  |  |
| OSO-HSC-B025 | OSO-HEC-B025 | ± 25 ppm  |  |
| OSO-HSC-B015 | OSO-HEC-B015 | ± 15 ppm  |  |

|                           |   |              |
|---------------------------|---|--------------|
| Frequency range           | 1 - 80 MHz @ 5.0 V and 1 - 50 MHz @ 3.3 V   |              |
| Temperature range         | 0 - 70°C (Except OSO-HSC-B015 & OSO-HEC-B015)<br>0 - 50°C (OSO-HSC-B015 & OSO-HEC-B015) |              |
| Output drive              | HCMOS:- 50 pF up to 25 MHz<br>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  | up to 40 MHz |
|                           | 6ns   | above 40 MHz |
| Supply Voltage            | 3.0 V - 5.5 V   | 1 to 50 MHz  |
|                           | 5.0 V ± 0.5 V   | 1 to 80 MHz  |
| Supply Current            | 30 mA maximum   |              |

## OnSpec Oscillators Limited

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