

# OnSpec Oscillators



## OSO-TCSV-Range

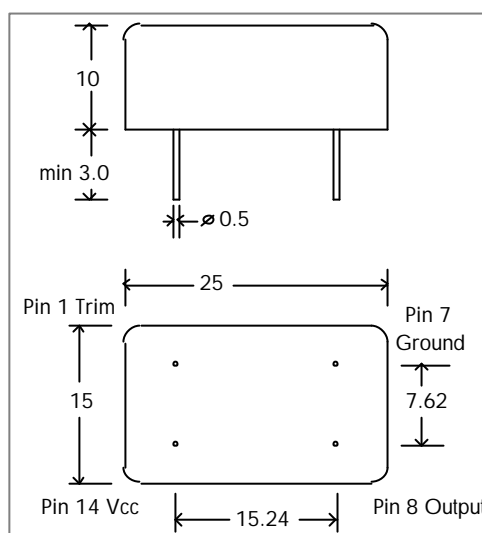
Digitally Temperature Compensated  
Sinewave Crystal Oscillators  
Frequency range: 10 - 70 MHz

Digitally temperature-compensated crystal oscillators available with a variety of temperature ranges and stabilities.

During operation, the oscillator frequency is adjusted to cancel out the change due to temperature. A microcontroller is used to perform the elaborate control algorithm, which is individually calibrated to each oscillator.

Voltage adjustment to compensate for ageing.

Specification	OSO-TCSV-Range
Frequency	5 - 70 MHz
Output	Sinewave
Amplitude	+3dBm min into 50Ω ??
Supply voltage	5 V ± 5%??
Supply Current	30mA max
Temperature Stability	See Table
Temperature	See Table
Trim Voltage	0 - 5 V ??
Trim range	
Up to 20 MHz	± 10 ppm min??
Above 20 MHz	± 5 ppm min



Unless a resistance weld package these Oscillators are not hermetically sealed

\* OnSpec offer a large range of trim ranges (up to 20 MHz), output amplitudes and supply voltages.

This is available for 1 off quantities upwards without increasing prices or delivery. Please contact us for details.

	0°C - 50°C	-10°C - 60°C	-20°C - 70°C
±0.3 ppm	OSO-TCSV-B0.3	OSO-TCSV-C0.3	
±1ppm	OSO-TCSV-B001	OSO-TCSV-C001	OSO-TCSV-D001
±2ppm	OSO-TCSV-B002	OSO-TCSV-C002	OSO-TCSV-D002
±3ppm	OSO-TCSV-B003	OSO-TCSV-C003	OSO-TCSV-D003

Difficulty and Cost of Manufacture	
Easier	
Moderate	
More difficult	

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