

OnSpec Oscillators



OSO-TCST-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.

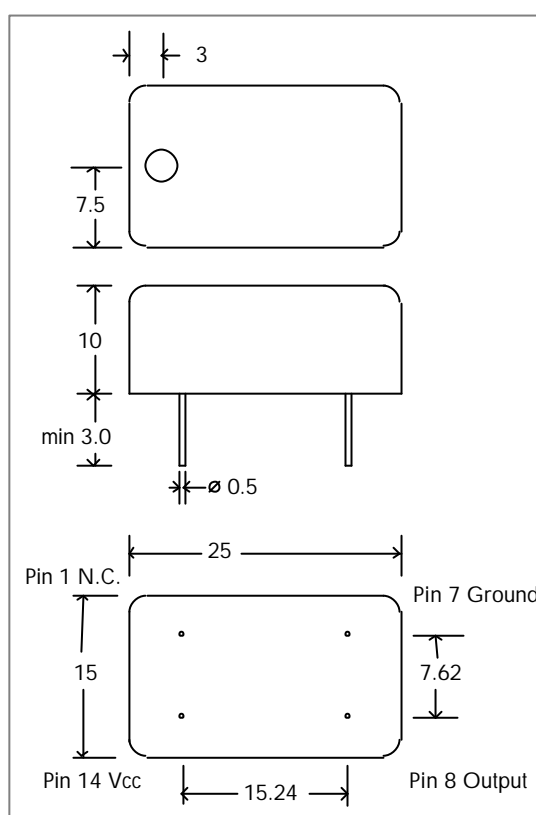
During operation, the oscillator frequency is adjusted to cancel out the change due to temperature. A microcontroller is used to perform the elaborate control algorithm, which is individually calibrated to each oscillator.

Trimmer adjustment to compensate for ageing.

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

* 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	Difficulty and Cost of Manufacture	
\pm 0.3 ppm	OSO-TCST-B0.3	OSO-TCST-C0.3		Easier	
\pm 1ppm	OSO-TCST-B001	OSO-TCST-C001	OSO-TCST-D001	Moderate	
\pm 2ppm	OSO-TCST-B002	OSO-TCST-C002	OSO-TCST-D002	More difficult	
\pm 3ppm	OSO-TCST-B003	OSO-TCST-C003	OSO-TCST-D003		

OnSpec Oscillators Limited

Fax +44 (0)24 7664 2073

Tel +44 (0)24 7664 2024

Email sales@onspec.co.uk

March 2002