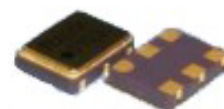


7 x 5mm Programmable LVPECL Oscillator

- Industry-standard 7 x 5mm package
- Wide frequency range 150MHz to 700MHz
- Factory programmable for quick delivery
- Supply voltage 3.3Volts
- Tristate function



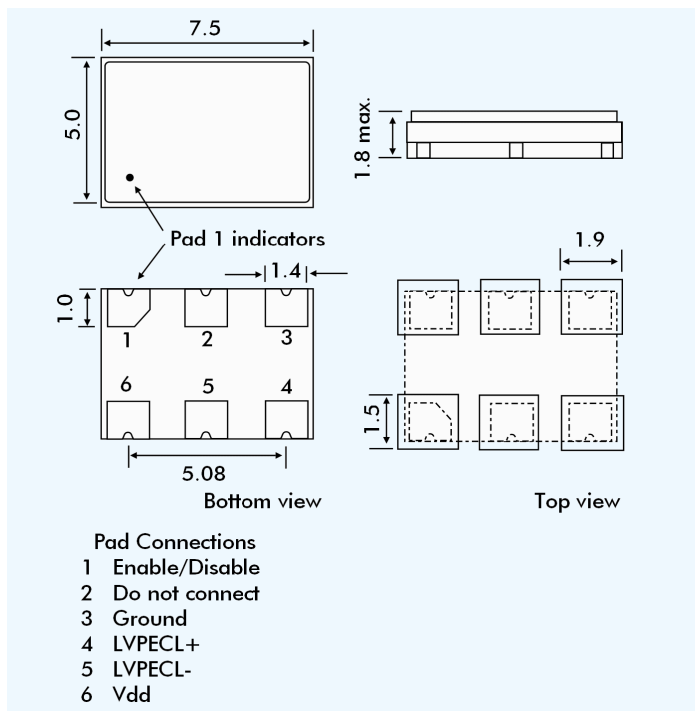
DESCRIPTION

XOPL72 programmable oscillators provide a high frequency, differential output LVPECL signals in a miniature, low-profile and industry-standard 7 x 5mm package. As such the parts are ideal for applications including serial communications, routers, switches, WAN interfaces and test equipment. The factory programmable parts ensure quick delivery to customer's requirements.

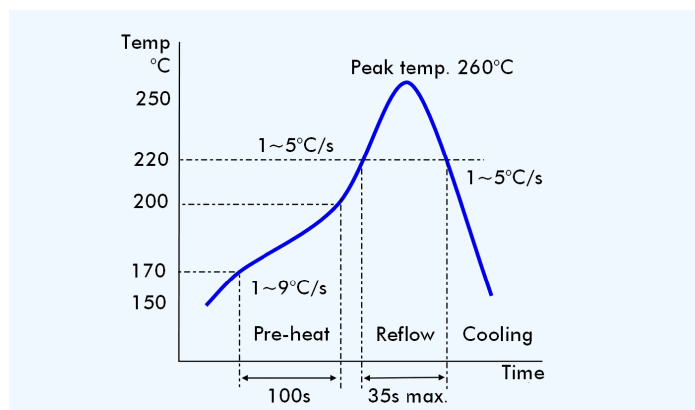
SPECIFICATION

Frequency Range:	150.0MHz to 700.0MHz
Frequency Stability	
Commercial:	$\pm 25\text{ppm}$ to $\pm 100\text{ppm}$ 0° to $+70^\circ\text{C}$
Industrial:	$\pm 25\text{ppm}$ to $\pm 100\text{ppm}$ -40° to $+85^\circ\text{C}$
Supply Voltage:	$+3.3\text{ Volts} \pm 5\%$
Operating Temperature:	From -40° to $+85^\circ\text{C}$
Storage Temperature:	-55° to $+125^\circ\text{C}$
Symmetry:	45/55%
Start-up Time:	3ms typical, 10ms maximum
Ageing:	$\pm 5\text{ppm}$ in first year of use
Static Discharge Voltage:	2000V
Supply Current:	130mA maximum
Short Circuit Current:	50mA typical
Jitter (RMS) Period:	10ps
Output Voltage	
VOH:	Vdd-1.025 Volts minimum
VOL:	Vdd-1.62 Volts maximum
Rise/Fall Time:	0.6ns typical, 1.5ns maximum

OUTLINE & DIMENSIONS



SOLDER TEMPERATURE PROFILE



PART NUMBERING

Example: **420.00MHz XOPL72025CTA**

