

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



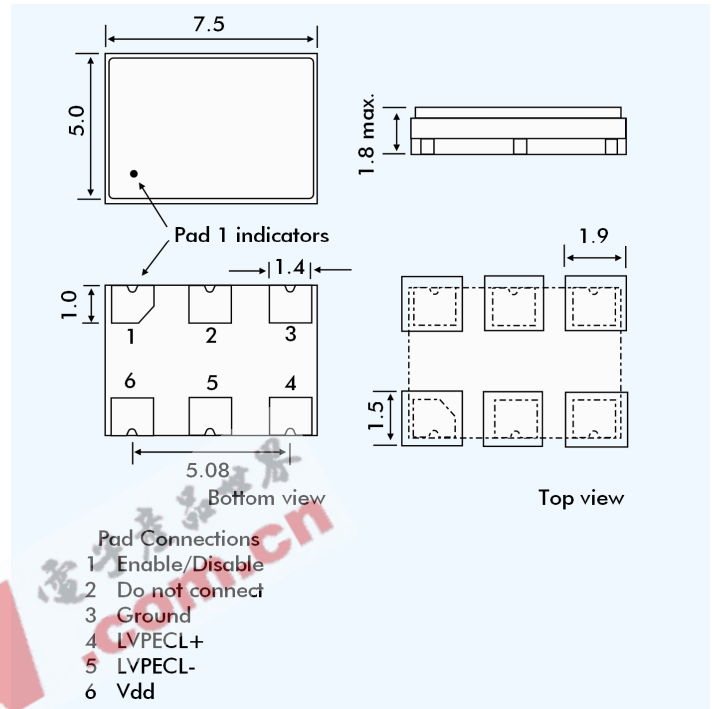
DESCRIPTION

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.

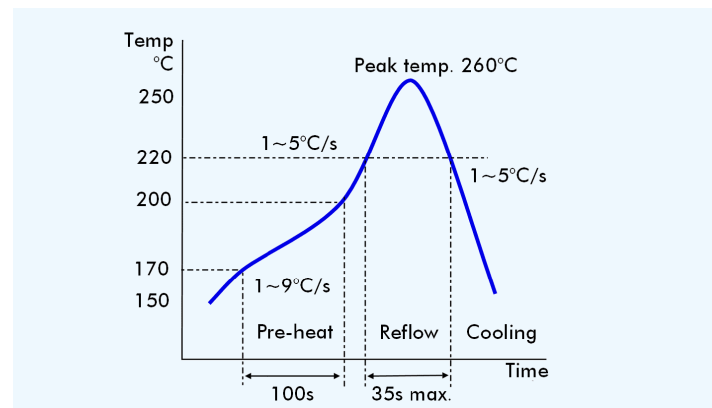
SPECIFICATION

| | |
|---------------------------|---------------------------------|
| Frequency Range: | 150.0MHz to 700.0MHz |
| Frequency Stability | |
| Commercial: | ±25ppm to ±100ppm 0° to +70°C |
| Industrial: | ±25ppm to ±100ppm -40° to +85°C |
| Supply Voltage: | +3.3 Volts ±5% |
| Operating Temperature: | From -40° to +85°C |
| Storage Temperature: | -55° to +125°C |
| Symmetry: | 45/55% |
| Start-up Time: | 3ms typical, 10ms maximum |
| Ageing: | ±5ppm 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**

