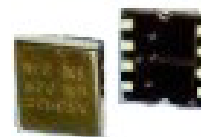


11.4 x 9.6mm Programmable LVPECL Oscillator

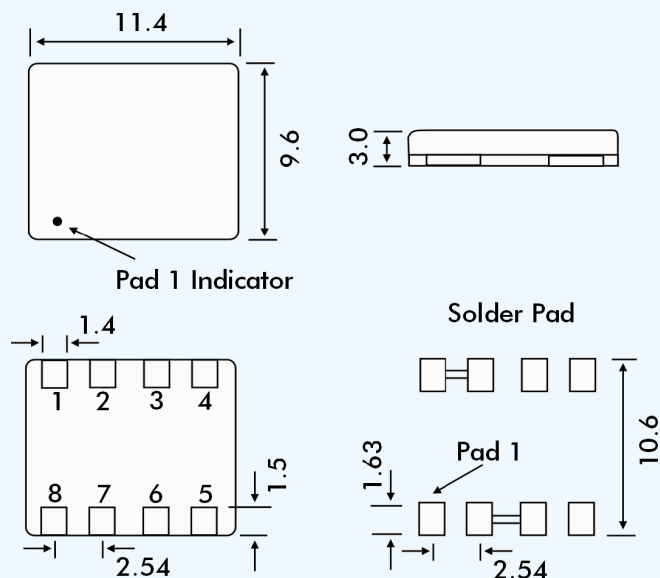
- SMD 11.4 x 9.6mm package
- Frequency range 1MHz to 133MHz
- Factory programmable for quick delivery
- Supply voltage 5.0 Volts or 3.3 Volts

**DESCRIPTION**

XOPL71 programmable oscillators provide differential output LVPECL signals in a miniature, low-profile 11.4 x 9.6mm 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:	1.0MHz to 133.0MHz
Frequency Stability	
Commercial:	$\pm 50\text{ppm}$ or $\pm 100\text{ppm}$ 0° to $+70^\circ\text{C}$
Industrial:	$\pm 50\text{ppm}$ or $\pm 100\text{ppm}$ -40° to $+85^\circ\text{C}$
Supply Voltage:	$+5.0\text{ Volts} \pm 5\%$ or $+3.3\text{ Volts} \pm 5\%$
Operating Temperature	
Commercial:	0° to $+70^\circ\text{C}$
Extended Commercial:	-20° to $+70^\circ\text{C}$
Industrial:	-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:	40mA maximum
Output Voltage:	PECL
Rise/Fall Time:	0.6ns typical, 1.5ns maximum

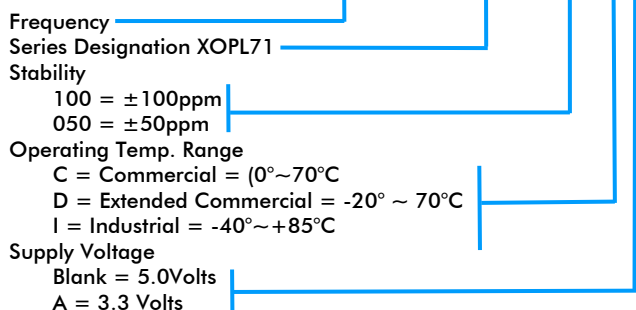
OUTLINE & DIMENSIONS**Pad Connections**

- 1 Not connected
- 2 Connected to Pad 3
- 3 Connected to Pad 2
- 4 Ground
- 5 PECL-
- 6 PECL+
- 7 Supply Voltage
- 8 Supply Voltage

Note: Pad 2&3 connected
Pad 7&8 connected

PART NUMBERING

Example: **100.00MHz XOPL71050CA**

**SOLDER TEMPERATURE PROFILE**