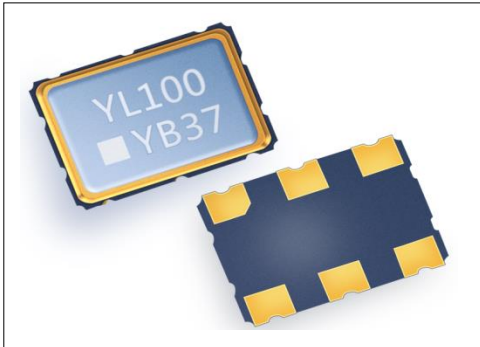


SMD LVPECL SAW Oscillators - Differential Output

7L Series

7.0 x 5.0 x 1.6 mm



■ Features

- SAW base solution.
- 3.3V and 2.5V operation available.
- LVPECL output, output frequencies 150 MHz to 700 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.

■ Applications

Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.

■ Specifications

Output Type	LVPECL
Oscillation Mode	Fundamental
Output Load	50 Ω
Supply Voltage	2.5 V, 3.3 V
Frequency range	150 ~ 700 MHz
Overall Frequency Stability *	± 100 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °C , - 5 ~ + 85 °C , or specify
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol (Max.) / Voh (Min.)	VDD - 1.62 V / VDD - 1.025 V
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	1 nS Max.
Supply Current	80 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 pS Max.

* Inclusive of frequency tolerance at 25 °C , variation over temperature, supply voltage variation, aging and vibration.

■ Dimensions & Land pattern (unit: mm)

