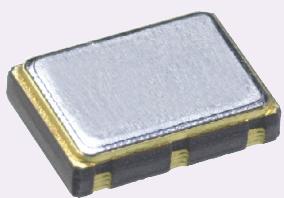


Crystal Clock Oscillator



TCO-7116H1A

SMO-N-K LVPECL

Features

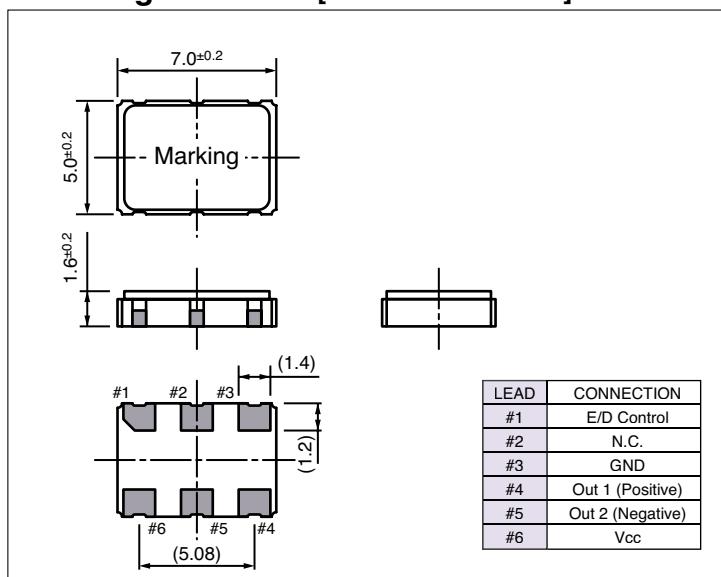
- for Gigabit ethernet
- LVPECL Output
- Small size : 7.0(W) X 5.0(D) X 1.8(H)mm
- 3rd OT Oscillation
- Low operation voltage (+3.3V)

Specifications

Parameter	TCO-7116H1A	Conditions
Frequency	fo 106.25 , 156.25 , 161.1328 MHz	—
Frequency Stability	$\Delta f/f_0$ ±50 ppm max.	(*)1)
Operating Temperature	Topr 0 °C to +70 °C	—
Supply Voltage	Vcc +3.3 V ±5 %	DC
Supply Current	Icc 80mA max.	Vcc= +3.6V
Input Voltage	V_{IH} V_{IL} V _{IH} =70 % Vcc min. / V _{IL} =20 % Vcc max.	#1:V _{IH} or OPEN ... Enable #1:V _{IL} or GND ... Disable
Output Voltage	V_{OH} V_{OL} V _{OH} = Vcc -1.0 min. / V _{OL} = Vcc -1.6 max.	—
Symmetry	SYM 40 to 60 %	at Outputs Crossing Point
Rise/Fall time	tr/tf 1 ns max.	at 20% to 80% Output Swing
Start-up time	tst 2 ms max.	(*)2)

*1 Inclusive of calibration tolerance at +25°C, operating temperature, operating voltage range.

*2 Rise time (0 to +3.14V) of Vcc >150μs

Package Outlines [Dimensions in mm]**Footprint [Dimensions in mm]**