

Crystal Oscillator

Model Name NW34M25WA

Frequency Controlled Crystal Oscillator (FCXO)
Clock Generator Modules

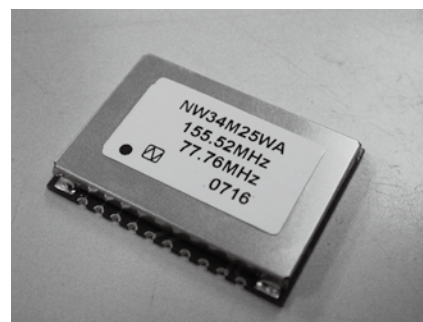
■ Main Application

SONET, SDH, FTTH, Communications equipment

■ Features

- Dual reference inputs, LVPECL and CMOS outputs
- Simple hardware control for operational mode
- Automatic Free-run upon loss of input reference
- Lock acquisition time < 1 second

RoHS Compliant
Directive 2011/65/EU



* Module markings may be changed without notice.

■ Specifications

Item	Model	NW34M25WA
Supply voltage [V _{CC}] (V)		+3.3 ± 5 %
Current consumption (mA)		Typ. 200
Operating temperature range (°C)		0 to +70
Storage Temperature Range (°C)		-20 to +85
Input level		2-CMOS
Input reference frequency (MHz)		19.44 *
Output level		2 (3) LVPECL and 1 CMOS
Output frequency (MHz)		LVPECL 0 : 155.52, LVPECL 1 : 77.76, CMOS : 77.76
Free-run accuracy		Max. $\pm 20 \times 10^{-6}$ (at 25 °C)
Pull-in range		Min. $\pm 25 \times 10^{-6}$

(*Compatible with other frequencies)

■ List of Ordering Codes

Input reference frequency (MHz)	Output frequencies (MHz)	Ordering Code
19.44	LVPECL 0 155.52	NW34M25WA-155.52M-NSA3436A
	LVPECL 1 77.76	
	LVPECL 2 High-Z	
	CMOS 77.76	

■ Control Functions

Control1	Control2	Control Functions
0	0	Lock to Ref A
0	1	Lock to Ref B
1	0	Forced Free-run
1	1	Outputs are Tri-stated

■ Dimensions

