

7311S

Simple Packaged Crystal Oscillator (SPXO)

Main Application

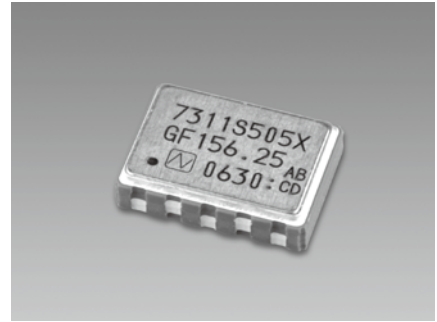
For SONET-, SDH-, and GbEthernet-related equipment

Features

- Low power supply voltage (+2.5 V)
- LVPECL output level
- Supports a wide frequency range (62.5 to 313MHz)
- Low phase jitter : Max. 1ps

Pb Free

RoHS Compliant
Directive 2011/65/EU



Specifications

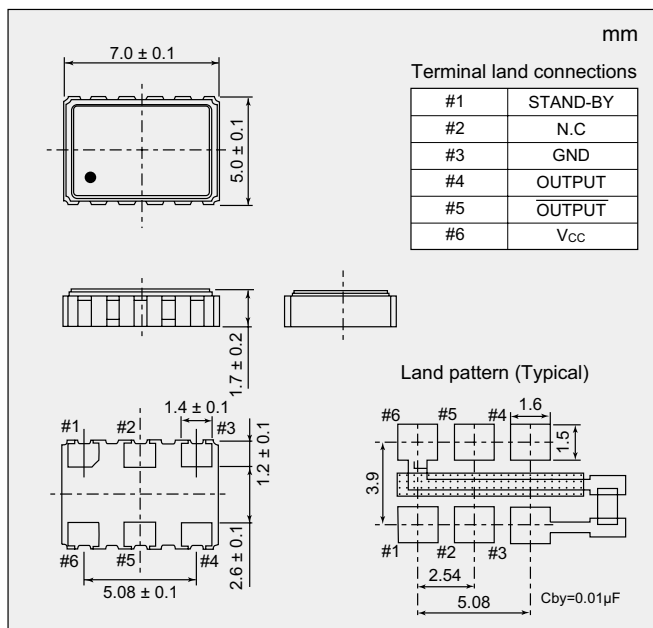
Item	Model	7311S	
Nominal Frequency Range (MHz)		62.5 to 220	62.5 to 313
Supply Voltage [V _{CC}] (V)		+2.5 ± 5 %	
Load Resistance (Ω)		50 (to V _{CC} -2.0 V)	
Current Consumption	During operation (mA)	Max. 88 (Typ. 55 mA)	
	During standby (μA)	Max. 30	
Output Level		LVPECL (Complementary)	
Operating Temperature Range (°C)		0 to +70	0 to +85, -40 to +85
Storage Temperature Range (°C)		-55 to +125	
Frequency Tolerance		Max. ±25×10 ⁻⁶	Max. ±50 × 10 ⁻⁶ , Max. ±100 × 10 ⁻⁶
Symmetry (%)		45 to 55 (at 50% Waveform)	
Phase Jitter [RMS] (ps)		Max. 1 (12 kHz to 20 MHz)	
Stand-by function [Three-state]		Available	

Specification Number

Please specify the model name, frequency, classification, and specification number when you order products.
For further questions regarding specifications, please feel free to contact us.

Frequency Tolerance	Operating Temperature Range (°C)	Classification	Specification Number	
			62.5 to 220MHz	220 to 313MHz
±25 × 10 ⁻⁶	0 to +70	GF-255R	NSA3344B	-
±50 × 10 ⁻⁶	0 to +85	GF-505X	NSA3345B	NSA3345F
±50 × 10 ⁻⁶	-40 to +85	GF-505P	NSA3345K	NSA3345F
±100 × 10 ⁻⁶	0 to +85	GF-104X	NSA3346B	NSA3346F
±100 × 10 ⁻⁶	-40 to +85	GF-104P	NSA3346K	NSA3346F

Dimensions



Standby Function Table (Three-state)

#1 Input	#4 and #5 output
Level H (V _{IH} ≥ 0.7 V _{CC}) or OPEN	Oscillation output ON
Level L (V _{IL} ≤ 0.3 V _{CC})	High impedance