

Crystal Oscillator

7311S

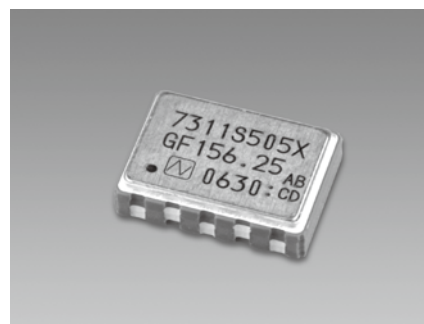
Simple Packaged Crystal Oscillator (SPXO)

■ Main Application

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

■ Features

- Low power supply voltage (+2.5V)
- LVDS output level
- Low phase jitter : Max. 1ps



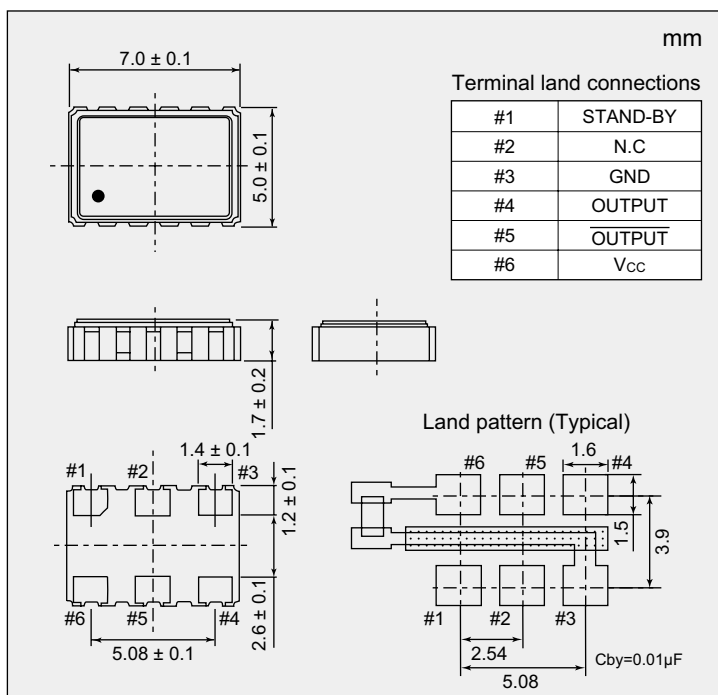
Pb
Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model Classification	7311S				
		GG-255R	GG-505X	GG-104X	GG-505P	GG-104P
Nominal Frequency Range (MHz)		62.5 to 220				
Supply Voltage [V _{cc}] (V)		+2.5 ± 5 %				
Load Resistance (Ω)		100 (Pad #4 - #5)				
Current Consumption	During Operation (mA)	Max. 60 (Typ. 43)				
	During Standby (μA)	Max. 30				
Output level		LVDS level (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	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		NSA3344D	NSA3345D	NSA3346D	NSA3345M	NSA3346M

■ 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

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