

7311S

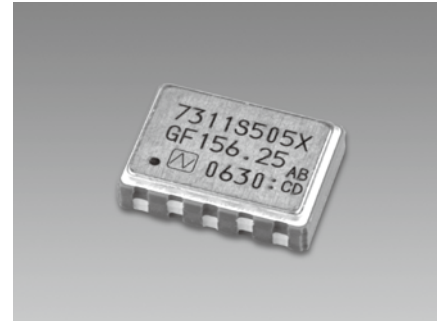
Simple Packaged Crystal Oscillator (SPXO)

Main Application

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

Features

- Differential Output SPXO
- Low power supply voltage (+3.3V)
- LVDS output level
- Low phase jitter : Max. 1ps



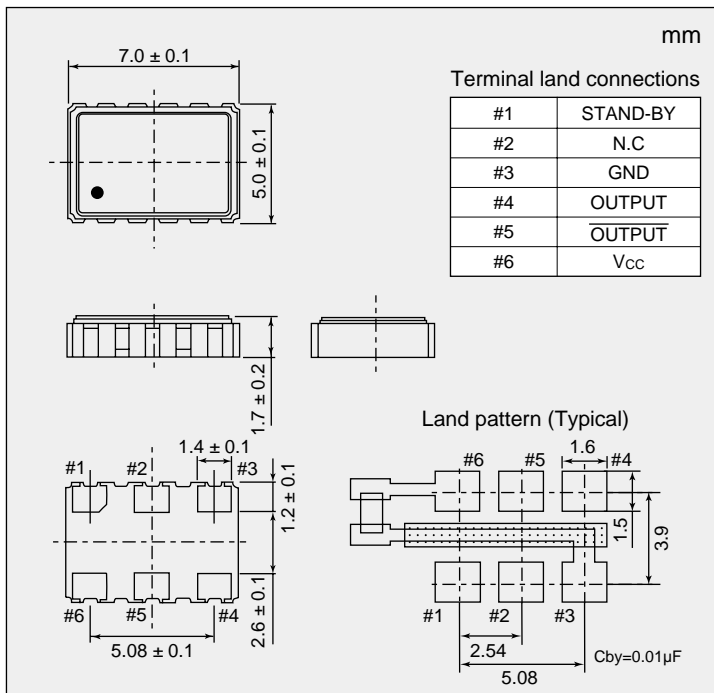
Pb Free

RoHS Compliant
Directive 2011/65/EU

Specifications

Item	Model Classification	7311S				
		DG-255R	DG-505X	DG-104X	DG-505P	DG-104P
Nominal Frequency Range (MHz)		62.5 to 220				
Supply Voltage [V _{CC}] (V)		+3.3 ± 10 %				
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		NSA3344C	NSA3345C	NSA3346C	NSA3345L	NSA3346L

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