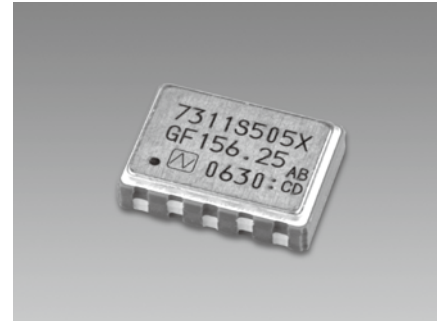


■ Main Application

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

■ Features

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



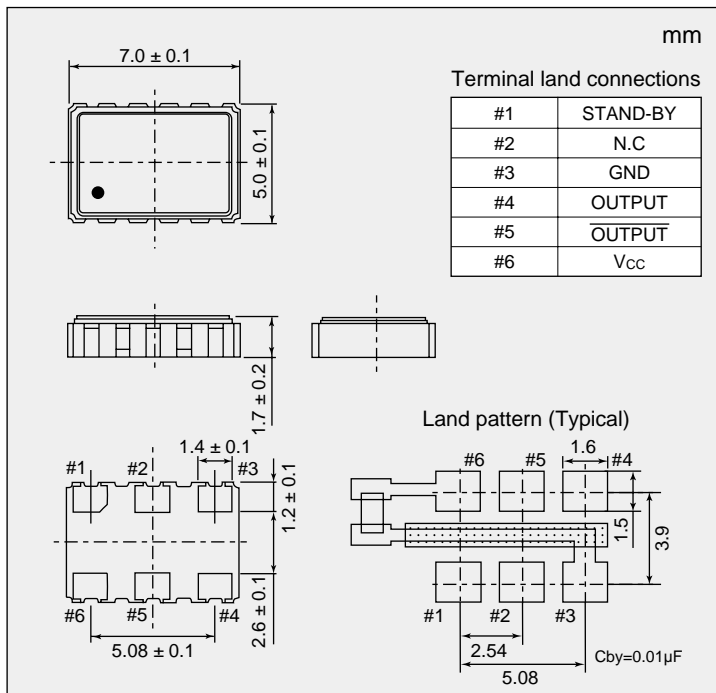
Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model Classification	7311S				
		DF-255R	DF-505X	DF-104X	DF-505P	DF-104P
Nominal Frequency Range (MHz)		62.5 to 220				
Supply Voltage [V _{cc}] (V)		+3.3 ± 10 %				
Load Resistance (Ω)		50 (to V _{cc} -2.0 V)				
Current Consumption	During Operation (mA)	Max. 90 (Typ. 60)				
	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	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		NSA3344A	NSA3345A	NSA3346A	NSA3345G	NSA3346G

■ Dimensions



#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