

7311S

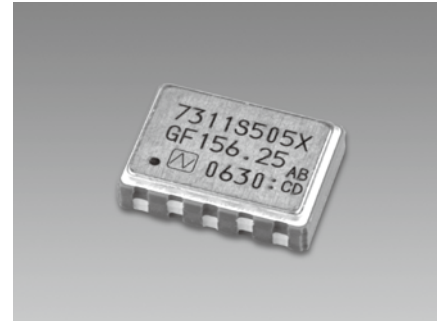
Simple Packaged Crystal Oscillator (SPXO)

Main Application

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

Features

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



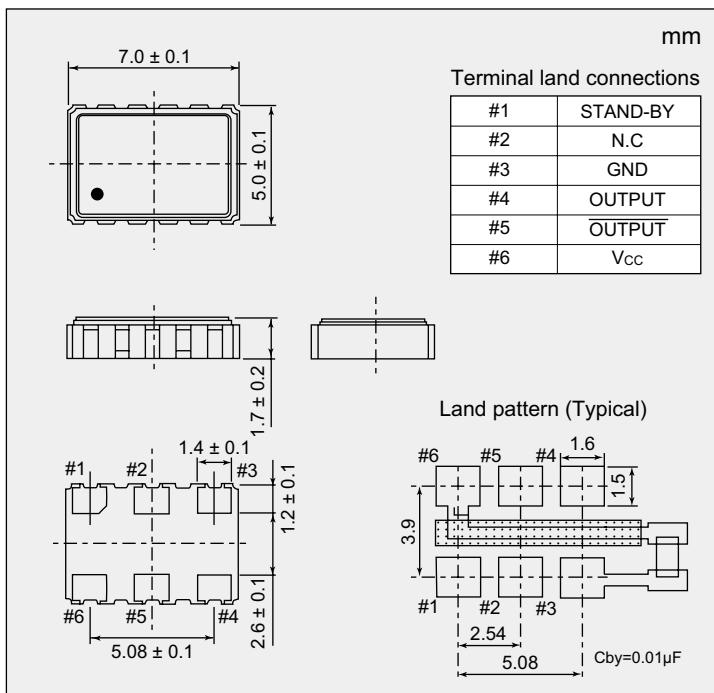
Pb Free

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.