

# CRYSTAL OSCILLATORS

## SIMPLE PACKAGED CRYSTAL OSCILLATORS 7300 SERIES

### Model 7311S- G

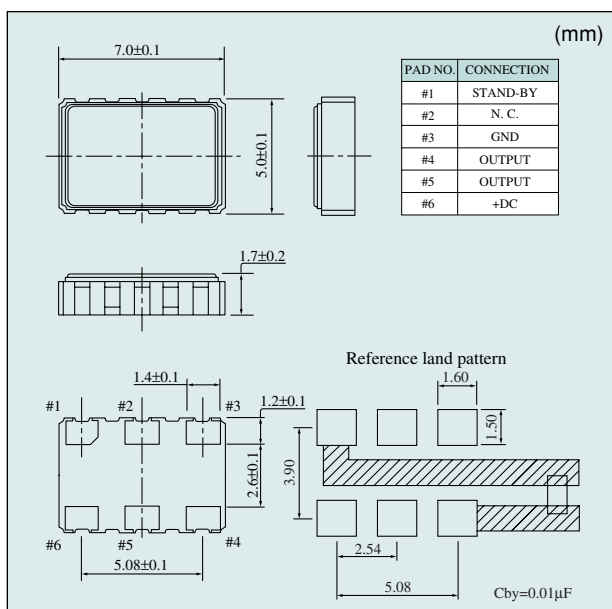
- Main applications : SONET, SDH, Gb Ethernet
- Features
  - Output level (62.5 ~ 220MHz LV-PECL)
  - Ultra compactness (7.0 × 5.0 × 1.7mm)
  - Surface mount type
  - RoHS compliant

**RoHS Compliant**  
Directive 2002/95/EC

### Specification

Model		7311S-GG-XXXX	7311S-DG-XXXX
Spec. Code		XXXX: 255R, 505X, 104X	
Standard Nominal Frequency (MHz)		106.25, 125, 155.52, 156.25, 161.1328, 187.5, 212.5	
Supply Voltage		+2.5V DC±5%	+3.3V DC±10%
Load		100Ω (Pad #4 – #5)	
Operating Temp. Range		0~+70°C, 0~+85°C	
Frequency Stability		±25×10 <sup>-6</sup> max / 0~70°C (255R) ±50×10 <sup>-6</sup> max / 0~85°C (505X) ±100×10 <sup>-6</sup> max / 0~85°C (104X)	
Current Consumption	operation	43mA typ (60mA max)	48mA typ (65mA max)
	stand-by	30 μA max	
Output Level		LVDS Level (Complementary)	
Duty Cycle		45 ~ 55% (at 50% Waveform)	
Jitter (1 σ)		1ps typ (12kHz ~ 20MHz)	
Stand-by Function (Tri-state)		Yes	

### Dimensions



### Stand-by Function <Tri-state>

#1 input	#4, 5 output
H level ( $V_{IH} \geq 0.7V_{CC}$ ) or open	Operating
L level ( $V_{IL} \leq 0.3V_{CC}$ )	High impedance

### Order (example)

7311S-DG-104X: +3.3V, ±100×10<sup>-6</sup> max / 0~85°C

