

## SIMPLE PACKAGED CRYSTAL OSCILLATORS 7300 SERIES

### Model 7311S- F

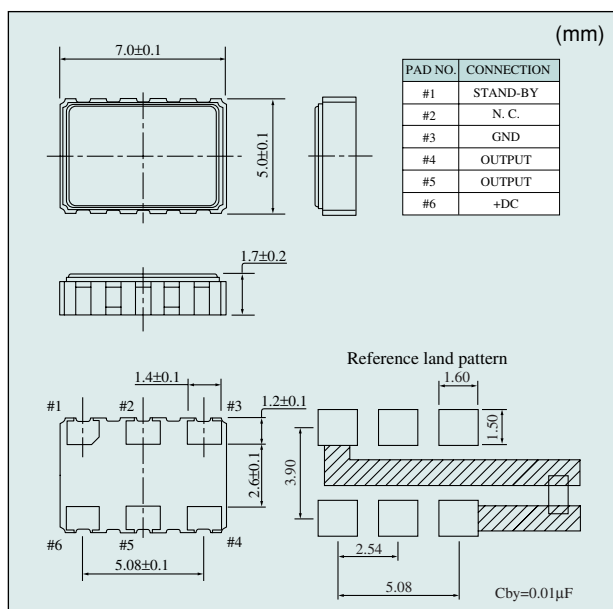
- Main applications : SONET, SDH, Gb Ethernet
- Features
  - Output level (62.5 ~ 220MHz LV-PECL)
  - Ultra compactness (7.0 × 5.0 × 1.7mm)
  - Surface mount type
  - RoHS compliant

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

### Specification

Model Spec. Code	7311S-GF-XXXX	7311S-DF-XXXX
Item	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	50Ω	
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	55mA typ (88mA max)	60mA typ (90mA max)
operation	30 μA max	
stand-by		
Output Level	PECL Level (Complementary)	
Duty Cycle	45 ~ 55% (at 50% Waveform)	
Jitter (1 σ)	1ps max (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-DF-104X: +3.3V, ±100×10<sup>-6</sup> max / 0~85°C

