

# Crystal Oscillator

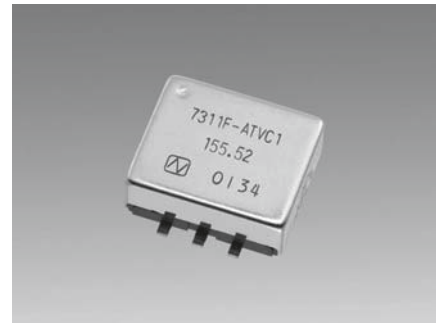
## Model Name 7311F Voltage-Controlled Crystal Oscillator (VCXO) 7300 Series

### Main Application

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

### Features

- A compact and high-frequency SMD-VCXO.
- A surface-mount crystal oscillator.
- Supports 60 to 185MHz.

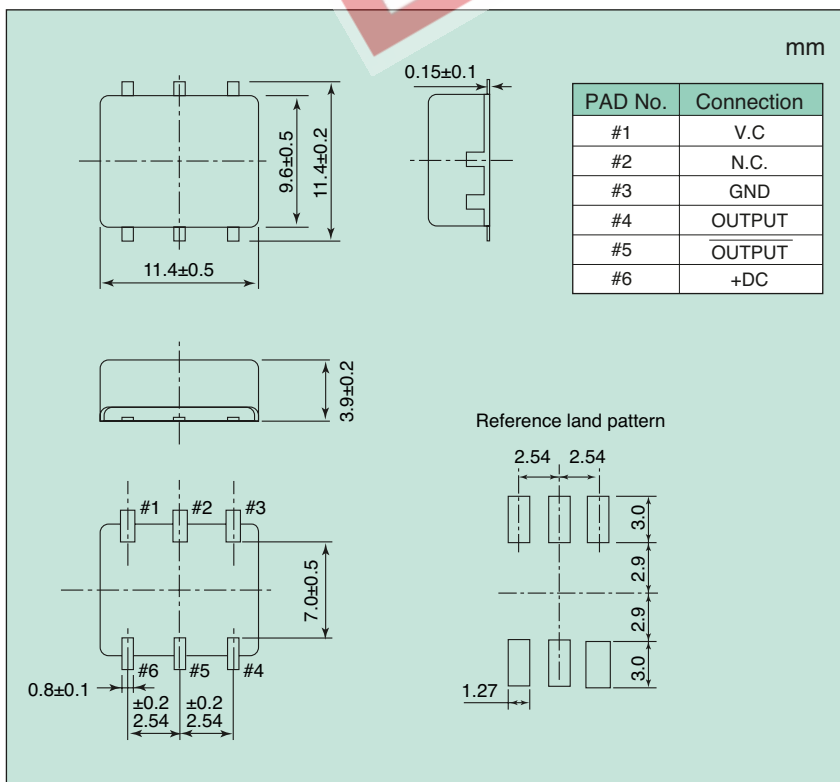


RoHS Compliant  
Directive 2002/95/EC

### Specifications

Item	Model Classification	7311F ATVC1
Nominal frequency range (MHz)		100 to 185
Power supply voltage		+3.3V DC±5%
Load		50Ω
Operating temperature range		-10 to +70°C
Consumption current		60mA max
Output level		PECL level (Complementary)
Duty cycle (+2.0V)		40 to 60%
Comprehensive frequency stability		±50×10 <sup>-6</sup> max
Frequency control characteristic		±100×10 <sup>-6</sup> min / +1.65±1.5V
Control polarity		Positive

### Dimensions



### List of Ordering Codes

Frequency (MHz)	Ordering Code
125	7311F-125M-NSA3330A
155.52	7311F-155.52M-NSA3330A
156.1762	7311F-156.1762M-NSA3330A
156.25	7311F-156.25M-NSA3330A
160	7311F-160M-NSA3330A
161.1328	7311F-161.1328M-NSA3330A
166.6286	7311F-166.6286M-NSA3330A
167.3316	7311F-167.3316M-NSA3330A
172.6423	7311F-172.6423M-NSA3330A
173.3707	7311F-173.3707M-NSA3330A
176	7311F-176M-NSA3330A

The above frequencies are NDK's standard frequencies. Frequencies other than the above are available. Feel free to contact our sales representatives.