

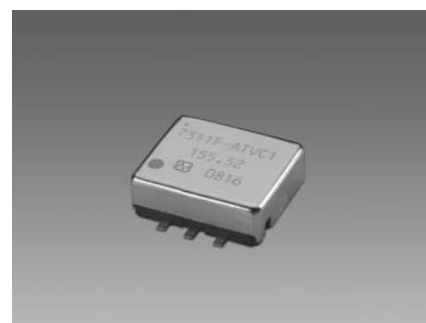
Model Name 7311F Voltage-Controlled Crystal Oscillator (VCXO) 7300 Series

■ Main Application

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

■ Features

- Frequency range: 60 to 185 MHz.
- A surface-mount crystal oscillator.
- Complies with the RoHS Directive.

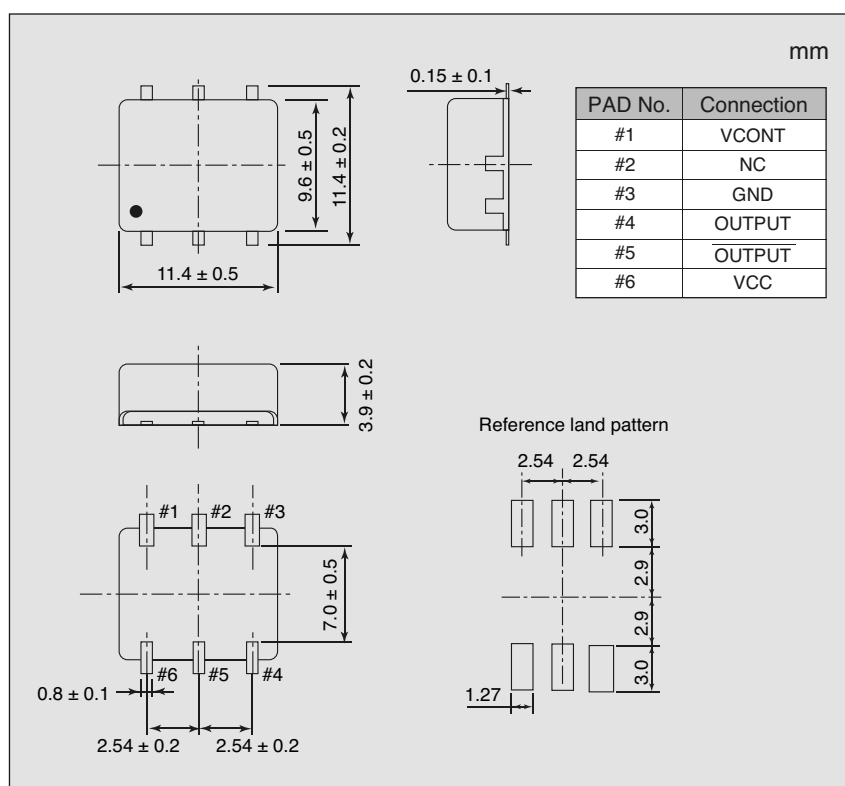


RoHS Compliant
Directive 2002/95/EC

■ Specifications

Item	Model Classification	7311F
		ATVC1
Nominal frequency range (MHz)		60 to 185
Power supply voltage [VCC] (V)		+3.3 ± 5 %
Current consumption (mA)		Max. 60
Output level		PECL level (Complementary)
Duty cycle (%)		40 to 60 (VCC – 1.3 V)
Load (Ω)		50 (VCC – 2.0 V)
Operating temperature range (°C)		–10 to +70
Frequency stability		Max. ± 50 × 10 ^{–6}
Frequency control characteristic		Min. ± 100 × 10 ^{–6} / + 1.65 ± 1.5 V
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.