

# Crystal Oscillator

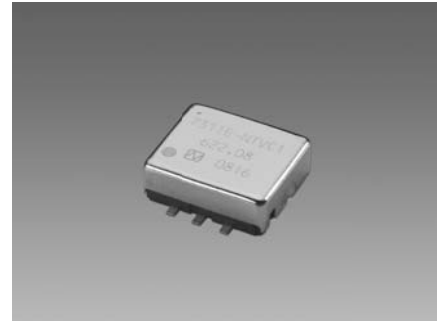
## Model Name 7311E Voltage-Controlled Crystal Oscillator (VCXO) 7300 Series

### Main Application

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

### Features

- Frequency range: 600 to 780 MHz.
- A surface-mount crystal oscillator.
- Complies with the RoHS Directive.

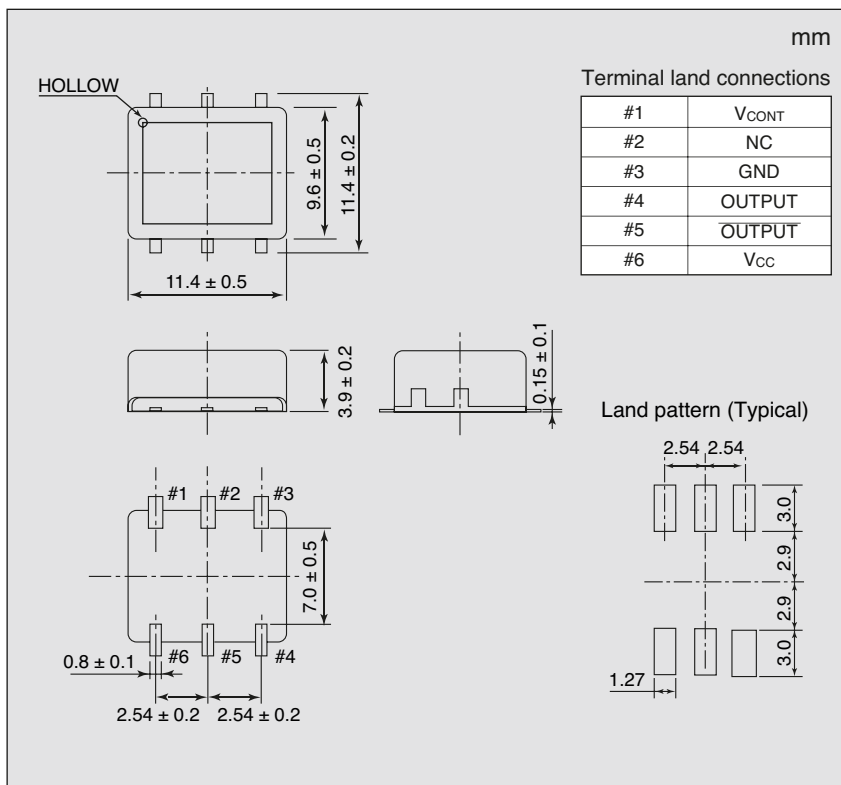


RoHS Compliant  
Directive 2002/95/EC

### Specifications

Item	Model Classification	7311E
		NTVC1
Nominal frequency range (MHz)		600 to 780
Supply voltage [V <sub>CC</sub> ] (V)		+3.3 ± 5 %
Current consumption (mA)		Max. 100
Output voltage		LVPECL (Complementary)
Symmetry (%)		40 to 60 (V <sub>CC</sub> - 1.3 V)
Output load condition (LVPECL) (Ω)		50 (V <sub>CC</sub> - 2.0 V)
Operating temperature range (°C)		-10 to +70
Overall frequency tolerance		Max. ± 50 × 10 <sup>-6</sup>
Frequency control range		Min. ± 100 × 10 <sup>-6</sup> / + 1.65 ± 1.5 V
Frequency change polarity		Positive

### Dimensions



### List of Ordering Codes

Frequency (MHz)	Ordering Code
622.08	7311E-622.08M-NSA3327A
624.7048	7311E-624.7048M-NSA3327A
625	7311E-625M-NSA3327A
644.5313	7311E-644.5313M-NSA3327A
666.5143	7311E-666.5143M-NSA3327A
669.1281	7311E-669.1281M-NSA3327A
669.3266	7311E-669.3266M-NSA3327A
672.1627	7311E-672.1627M-NSA3327A
690.5692	7311E-690.5692M-NSA3327A
693.483	7311E-693.483M-NSA3327A
714.5514	7311E-714.5514M-NSA3327A
719.7344	7311E-719.7344M-NSA3327A
773.0702	7311E-773.0702M-NSA3327A
775.5803	7311E-775.5803M-NSA3327A
777.6	7311E-777.6M-NSA3327A

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