

RoHS Compliant Optional

OF Type Precision Crystal Oscillator



FEATURE

1. Typical 20.4 × 12.8 × 7.0 mm standard package.
2. Tight frequency stability (± 10 ppm).
3. Compatible with 14-Pin dual in line.
4. CMOS circuit TTL/CMOS compatible.
5. Hermetically sealed metal case and high reliability.
6. Tight symmetry (45 to 55%) available.
7. Packing: 50pcs per Tray.

ORDERING INFORMATION

Select option

XO	Package (mm)	Supply Voltage(V)	Tri-State Function	Freq. Stability (ppm)	Temp. Range (°C)	Output Logic and Symmetry	Oscillator Mode	Appearance	Lead Free	Dash	Freq. (MHz)
	20.4x12.8	Through Hole T : 5 E : 3.3 Gull Wing G : 5 F : 3.3	K: Fixed-Freq with Tri-State	C : ± 20 B : ± 10	C : -20~+70 D : -30~+80 L : -40~+85	50 \pm 5% TTL A TTL 50pF E CMOS 15pF J CMOS 50pF F	-A: AT Fundamental -T: AT 3 rd Overtone NOT SELECTABLE BY CUSTOMER	N: Normal	F: RoHS Compliant L: Not RoHS Compliant		XX.XXXXXX

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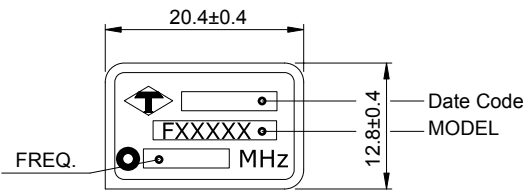
Example OFTKCCJANF-14.318180

XO F-TYPE; V_{DD}: 5V; Fixed-Freq. with Tri-State; Freq. Stability: ± 20 ppm; Temp. Range: -20°C to +70°C; Load: CMOS 15pF, Symmetry: 50 \pm 5%. AT Fundamental; Normal Appearance; RoHS Compliant; Freq. 14.318180MHz.

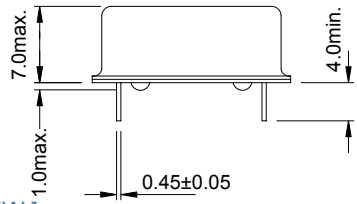
* Not all combinations of options are available.

OUTLINE DRAWING

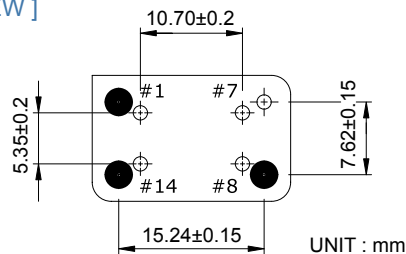
[TOP VIEW]



[SIDE VIEW]



[BOTTOM VIEW]



UNIT : mm

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C)	ppm	
	B: ± 10	C: ± 20
C -20~+70	○	○
L -40~+85	×	○

○:Standard ×:Not available

Pin	Function
#1	Tri-State
#7	CASE GND
#8	Output
#14	V _{DD}



ELECTRICAL SPECIFICATION

Parameter	Min.	Max.	Unit
	5V±10%	3.3V±10%	V
Frequency Range	1~70	1~70	MHz
Operating Temp. Range	Refer to Ordering Information		°C
Frequency Stability *	Refer to Ordering Information		ppm
Supply Current			
1.0MHz ≤ Fo < 20MHz	15	10	mA
20MHz ≤ Fo < 50MHz	40	20	
50MHz ≤ Fo < 70MHz	50	40	
Transition Time: Rise/Fall Time Max.†			
1.0MHz ≤ Fo < 20MHz	8	10	nSec
20MHz ≤ Fo	5	6	
Storage Temp. Range	-55~+125		°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

* Inclusive of calibration @ 25°C, operating temperature range, input voltage variation, load variation, aging, shock, and vibration.

† Transition times are measured between 10% and 90% of V_{DD}, with an output load of 15pF.