Temperature Compensated Crystal Oscillators
TCXO (VC-) TCXO-170 series

KYOCERA

RoHS Compliant

Features
- Output 50Ω
- Wide frequency range

Applications
- Reference Oscillator
- PLL Oscillator

Standard frequency
- 120MHz

How to Order

TO 120.000000 M □□□□□□□

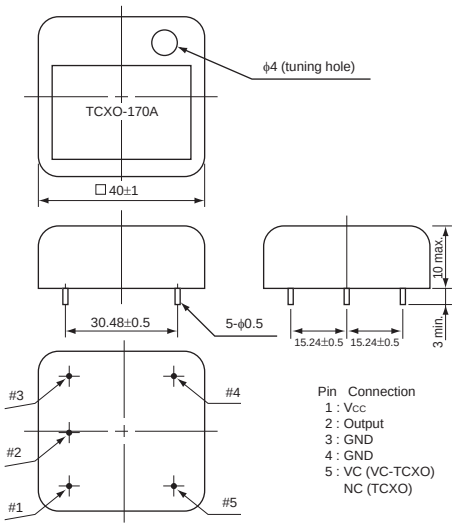
① ② ③ ④

① Function
TCXO → TO, VC-TCXO → TV
② Output Frequency
③ Frequency Unit
M → MHz
④ Individual Specification

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Frequency Range	fo	—	120	400	MHz
Frequency Tolerance	fo-Tc	vs Temperature	−2.0	+2.0	$\times 10^{-6}$
	fo-Vcc	vs Voltage	−0.5	+0.5	$\times 10^{-6}$
Storage Temperature Range	T_{stg}	—	−40	+85	°C
Operating Temperature Range	T_{use}	—	−10	+60	°C
Supply Voltage	Vcc	—	4.75	5.25	V
Current Consumption	Icc	—	—	40	mA
Frequency Adjustment Range	f_{adjust}	Internal Trimmer	−2.0	+2.0	$\times 10^{-6}$
Frequency Aging	f_{age}	1 year	−1.0	+1.0	$\times 10^{-6}$
Frequency Pull Range	f_{cont}	VC-TCXO-170A Only	−5.0	+5.0	$\times 10^{-6}$
Frequency Control Voltage	VC	—	0.5	4.5	V
Load	Load_R	—	50	50	ohm
Output Level	Output Level	—	0	—	dBm
Sub Harmonics	—	—	—	−25	dBc

Note: All electrical characteristics are defined at the maximum load and operating temperature range.

Dimensions

(Unit: mm)