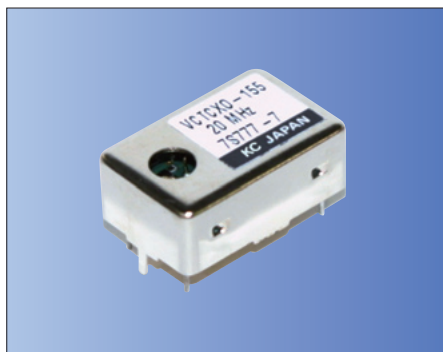


Temperature Compensated Crystal Oscillators VC-TCXO-155 Series



RoHS Compliant

Features

- Analog signal processing temperature compensated crystal oscillator
- Small package & Lower noises

Standard frequency

- 14.31818MHz
- 17.734475MHz
- 28.63636MHz

How to Order

TV 14.3181800 M

① ② ③ ④

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

Table 1

Model	Output waveform
VC-TCXO-155	clipped sinusoidal wave
VC-TCXO-155CB	CMOS

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Frequency Range	f _o	—	10	30	MHz
Frequency tolerance	f _o -T _c	vs Temperature	-1.0	+1.0	×10 ⁻⁶
	f _o -V _{cc}	vs Voltage	-0.2	+0.2	×10 ⁻⁶
Storage Temperature Range	T _{stg}	—	-40	+85	°C
Operating Temperature Range	T _{use}	—	-10	+60	°C
Supply Voltage	V _{cc}	—	4.75	5.25	V
Current consumption	I _{cc}	VC-TCXO-155	—	3	mA
		VC-TCXO-155CB	—	20	mA
Frequency Aging	f _{age}	1 year	1.0	1.0	×10 ⁻⁶
Frequency Adjustment Range	f _{adjust}	Internal Trimmer	-3.0	+3.0	×10 ⁻⁶
Frequency Pull Range	f _{cont}	—	-10	+10	×10 ⁻⁶
Frequency Control Voltage	VC	—	0.5	4.5	V
Load	Load_R	VC-TCXO-155	10K	10K	ohm
	Load_C	VC-TCXO-155	10	10	pF
Output Level	Output Level	VC-TCXO-155	0.8	—	Vp-p
CMOS Load	L _{CMOS}	VC-TCXO-155CB	—	15	pF
Low Level Output Voltage	V _{OL}	VC-TCXO-155CB	—	10% V _{cc}	V
High Level Output Voltage	V _{OH}	VC-TCXO-155CB	90% V _{cc}	—	V
Symmetry	Symmetry	VC-TCXO-155CB, @50% V _{cc}	40	60	%

Dimensions

(Unit: mm)

