



RoHS Compliant

Features

- Digital processing temperature compensated crystal oscillator
- Output 50Ω
- Wide frequency range

Applications

- Reference Oscillator
- PLL Oscillator

How to Order

DO 100.000000 M 07003AG

① ② ③ ④

- ① Function
DO → DTCXO, DV → VC-DTCXO
- ② Output Frequency
- ③ Frequency Unit
M → MHz
- ④ Individual Specification
07003AG → DTCXO,
07004AG → VC-DTCXO

Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	fo		30	320	MHz
Frequency Tolerance	fo-Tc	vs Temperature DTCXO-23A/ VC-DTCXO-23A: VC=Open	-0.1	+0.1	×10 ⁻⁶
	fo-Vcc	vs Voltage	-0.05	+0.05	
Storage Temperature Range	T _{stg}		-40	+85	°C
Operating Temperature Range	T _{use}		-20	+70	°C
Supply Voltage	Vcc		4.75	5.25	V
Current Consumption	Icc		—	40	mA
Frequency Tuning Range	f _{tuning}	Internal Trimmer	-0.7	+0.7	×10 ⁻⁶
Frequency Aging	f _{age}	Per Year (at +25°C)	-0.5	+0.5	×10 ⁻⁶
Frequency Deviation	f _{cont}	VC-DTCXO-23A Only	-2	+2	×10 ⁻⁶
Control Voltage	VC	VC-DTCXO-23A Only	0.5	4.5	V
Output Level	Output Level		0	—	dBm
Load	Load-R		50	50	ohm
Sub Harmonics	—		—	-40	dB

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

Dimensions

(Unit: mm)

