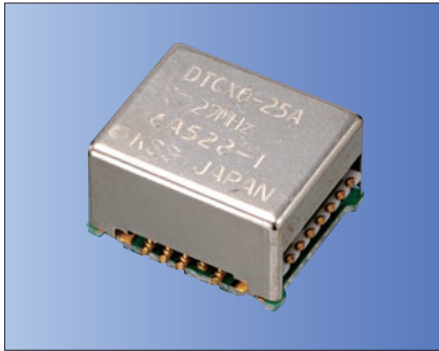


High Precision Crystal Oscillators

Surface Mount Type Digital TCXO (VC-) DTCXO-25A



RoHS Compliant

Features

- Small size (14.0×11.5×8.0mm), lead-less type (SMD)
- Supply voltage of 3.3V or 5.0V is available
- Digital processing temperature compensated crystal oscillator
- High stability ($\pm 0.5 \times 10^{-6}$ max./ -30 to +80°C)

Applications

- Reference Oscillator
- PLL Oscillator

How to Order

DO 20.000000 M 07005AG
 ① ② ③ ④

- ① Function
DO → DTCXO, DV → VC-DTCXO
- ② Output Frequency
M → MHz
- ③ Frequency Unit
M → MHz
- ④ Individual Specification
07005AG → DTCXO,
07006AG → VC-DTCXO

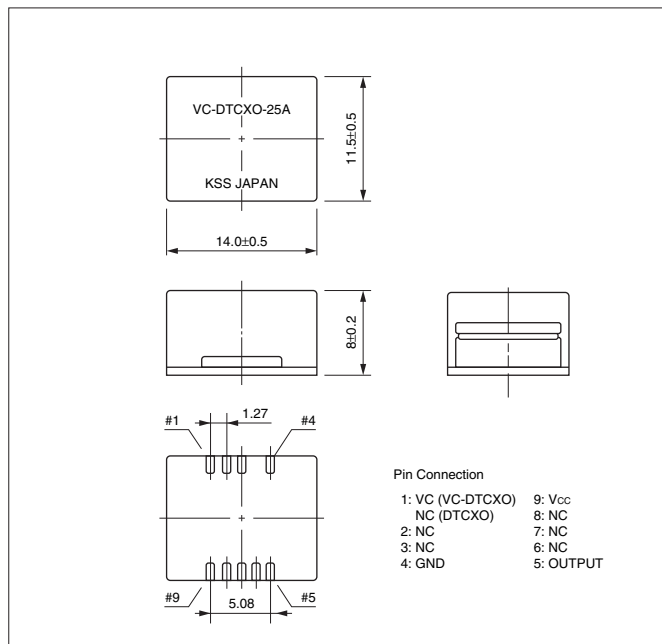
Specifications

Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	fo		10	40	MHz
Frequency Tolerance	fo-Tc	vs Temperature VC=Open	-0.5	+0.5	×10 ⁻⁶
	fo-Vcc	vs Voltage	-0.05	+0.05	
Storage Temperature Range	T _{stg}		-40	+85	°C
Operating Temperature Range	T _{use}		-30	+80	°C
Supply Voltage	V _{CC}		3.14	3.46	V
Current Consumption	I _{CC}		—	15	mA
Frequency Aging	f _{age}	Per Year (at +25°C)	-0.7	+0.7	×10 ⁻⁶
Frequency Deviation	f _{cont}		-10	+10	×10 ⁻⁶
Control Voltage	VC		0.5	2.5	V
Symmetry	Symmetry	50% V _{CC}	30	70	%
Low Level Output Voltage	V _{OL}		—	0.3	V
High Level Output Voltage	V _{OH}		3	—	V
Load	L-CMOS		15	15	pF

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

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

