TCXO-VCTCXO

TT-VT4000CT Series

Ceramic, SMD

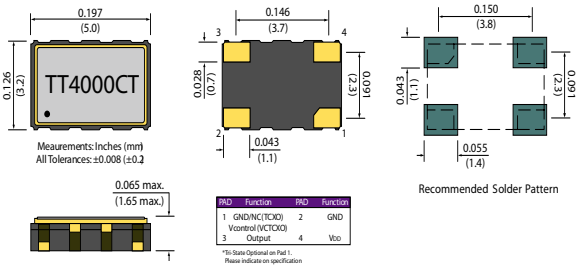
RoHS

Features:

- Tri-State Enable
- Ceramic Package
- High Stability
- 5.0 x 3.2 x 1.65 mm

Parameter	Unit	Min.	Max.
Frequency Range	MHz	10.00	40.00
Frequency Tolerance @ 25°C	ppm	-	±2.0
Frequency Stability			
vs. Supply Voltage	ppm	-	±0.2
vs. Load Change	ppm	-	±0.2
vs. Temperature			
-10 to +60°C	ppm	±0.14	±0.5
-20 to +70°C	ppm	±0.14	±0.5
-40 to +85°C	ppm	±0.28	±0.5
Storage Temperature Range	°C	-55	+125
Aging (per year)	ppm	-	±1.0
Supply Voltage	V	3.3, 5.0 ±5%	
Current Consumption			
(CMOS)	mA	-	6
(Clipped Sine Wave)	mA	-	3.5
Output Load			
(CMOS)		15 pF	
(Clipped Sine Wave)		10 KOhms//10 pF	
Output Level			
(CMOS)	V	90% of VDD min; 10% of VDD max.	
(Clipped Sine Wave)	V p-p	0.8	-
VCTCXO Function (Pad 1)			
Voltage Control Range	V	0.5	2.5
Pulling Range	ppm	±5.0	-
Vc Input Impedance	KOhms	100	-
Duty Cycle (CMOS only)	%	-	45/55
Start Up Time (CMOS only)	mSec	-	2.0
Phase Noise			
@ 100 Hz	dBc/Hz	-125 typical	
@ 1 kHz	dBc/Hz	-145 typical	
@ 10 kHz	dBc/Hz	-150 typical	
Tristate (Pad 1)			
Enable	V	70% of VDD	-
Disable	V	-	30% of VDD

TT-VT4000CT Package



Environmental

Terminal Material	W
Terminal Plating	Ni/Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemption	No
Reflow Temp. Max.	260°C
MSL	1

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Subject to change without notice.