

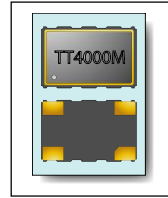
TT-VT4000M

Crystal Oscillator

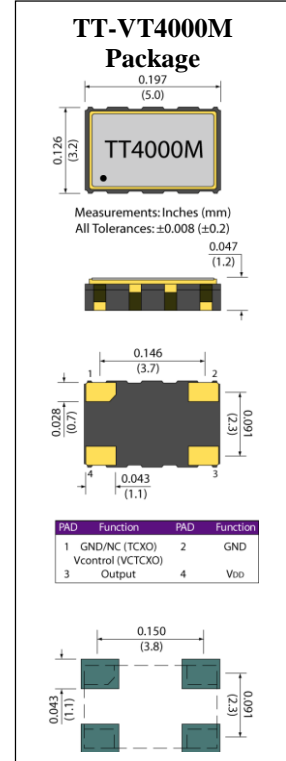


FEATURES:
CMOS
Ceramic Package

Low Stability
5.0 x 3.2 x 1.5 mm



Parameter	Unit	Min.	Max.
Frequency Range	MHz	10	40
Frequency Tolerance at 25°C	ppm	-	±0.5
Frequency Stability			
Vs. Supply Voltage (±5%) change	ppm	-	±0.4
Vs. Load (±10%) change	ppm	-	±0.2
Vs. Aging	ppm	-	±1.0
Current Consumption	mA	-	6.0
Storage Temperature Range	°C	-55	+125
Voltage		3.3 ±5%	
Output Waveform		CMOS	
Output Level High	V	90%	-
Output Level Low		-	10%
Load		15 pF	
Control Voltage Range (VCTCXO)	V	0.5	2.5
Frequency Deviation (VCTCXO)	ppm	±3	±15
VC Input Impedance (VCTCXO)	KOhms	500	-
Start-up Time	mSec	-	2
Tri-State			
Enable	V	70%	
Disable	V	30%	
Phase Noise			
@ 1 kHz	dBc/Hz	-135 typical	



Frequency Stability vs. Temperature Range

Temperature	Stability (ppm)
-10 to 60°C	±0.5, ±1.0
-20 to 70°C	±0.5, ±1.0
-40 to 85°C	±1.0

Environmental

Terminal Material	W
Terminal Plating	Ni-Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1



Example Part Number: VT4000M-A-18-A-27-24M576

VT4000M	1	2	3	4	5
	Stability	Voltage	Pull Range	Temp. Range	Frequency
	A = ±1.0	33= 3.3V	A = ±15	16= -10 to 60°C	Frequency in MHz
	B = ±0.5		B = ±10	27= -20 to 70°C	i.e. 24M576
			C = ±8	48= -40 to 85°C	use M for decimal point
			D = ±5		
			T = TCXO		