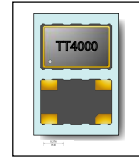


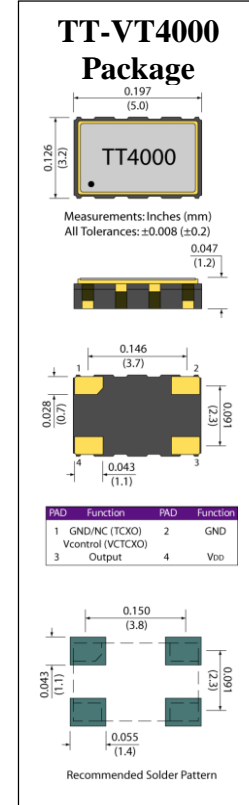
TT-VT4000 Crystal Oscillator



FEATURES:
Clipped Sine
Ceramic Package

Low Stability
5.0 x 3.2 x 1.2 mm

Parameter	Unit	Min.	Max.
Frequency Range	MHz	10	40
Frequency Tolerance at 25°C	ppm	-	±2.0
Frequency Stability			
Vs. Supply Voltage (±5%) change	ppm	-	±0.5
Vs. Load (±10%) change	ppm	-	±0.2
Vs. Aging	ppm	-	±1.0
Current Consumption	mA	-	3.5
Storage Temperature Range	°C	-55	+125
Voltage		3.3, 5.0 ±5%	
Output Waveform		Clipped Sine	
Output Level	Vp-p	0.8	-
Load		10KOhms/10pF	
Control Voltage Range (VCTCXO)	V	0.5	2.5
Frequency Deviation (VCTCXO)	ppm	±5	±15
VC Input Impedance (VCTCXO)	KOhms	500	-
Start-up Time	mSec	-	2
Phase Noise			
@ 100 Hz	dBc/Hz	-115 typical	
@ 1 kHz	dBc/Hz	-135 typical	
@ 10 kHz	dBc/Hz	-148 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

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Example Part Number: VT4000-A-18-A-27-24M576

VT4000	-	[]	-	[]	-	[]	-	[]	-	[]
		1		2		3		4		5
		Stability		Voltage		Pull Range		Temp. Range		Frequency
		A = ±1.0		50= 5.0 V		A = ±15		16= -10 to 60°C		Frequency in MHz
		B = ±0.5		33= 3.3V		B = ±10		27= -20 to 70°C		i.e. 24M576
						C = ±8		48= -40 to 85°C		use M for decimal
						D = ±5				point
						T = TCXO				