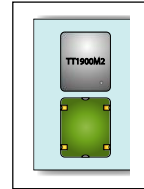


TT-VT1900M2 Crystal Oscillator

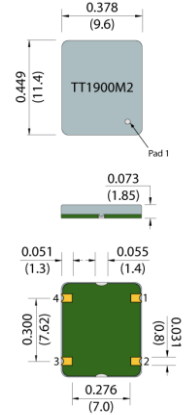


FEATURES:
Clipped Sine
Ceramic Package

No Trimmer
11.4 x 9.6 x 1.85 mm

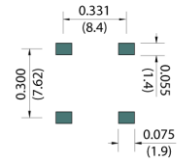
Parameter	Unit	Min.	Max.
Frequency Range	MHz	9.6	40
Frequency Tolerance at 25°C	ppm	-	±0.5
Frequency Stability			
Vs. Supply Voltage (±5%) change	ppm	-	±0.3
Vs. Load (±10%) change	ppm	-	±0.3
Vs. Aging	ppm	-	±1.0
Current Consumption	mA	-	3.5
Storage Temperature Range	°C	-55	+125
Voltage		3.3, 5.0 ±5%	
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	-

TT-VT1900M2 Package



PAD	Function	PAD	Function
1	GND (TCXO)	2	GND
	Vcontrol (VCTCXO)		
3	Output	4	V _{cc}

Measurements: Inches (mm)
All tolerance: ±0.008 (±0.2)



Recommended Solder Pattern

Frequency Stability vs. Temperature Range

Temperature	Stability (ppm)
-10 to 60°C	±1.0, ±2.5
-20 to 70°C	±1.0, ±2.5
-40 to 85°C	±2.5

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: VT1900M2-A-18-A-27-24M576

VT1900M2	1	2	3	4	5
	Stability	Voltage	Pull Range	Temp. Range	Frequency
	A = ±2.5	50= 5.0 V	A = ±15	16= -10 to 60°C	Frequency in MHz
	B = ±1.0	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		