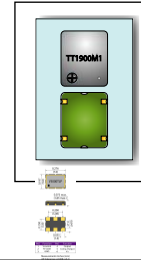


TT-VT1900M1 Crystal Oscillator



FEATURES:
Clipped Sine
Ceramic Package

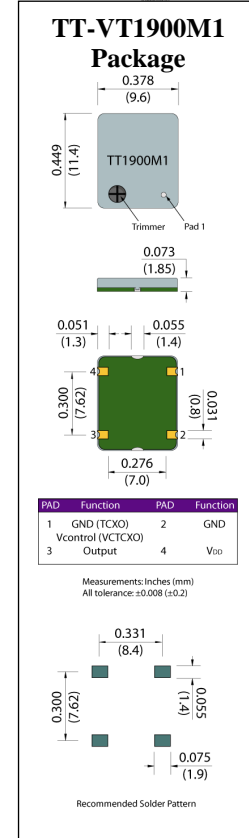
Low Current Draw
11.4 x 9.6 x 1.85 mm



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	-
Frequency Adjustment (Trimmer)	ppm	±3.0	-

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

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Example Part Number: VT1900M1-A-18-A-27-24M576

VT1900M1	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 point
			D = ±5		
			T = TCXO		