

MTC & MTJ Series – 11.7 x 9.6 VCTCXO

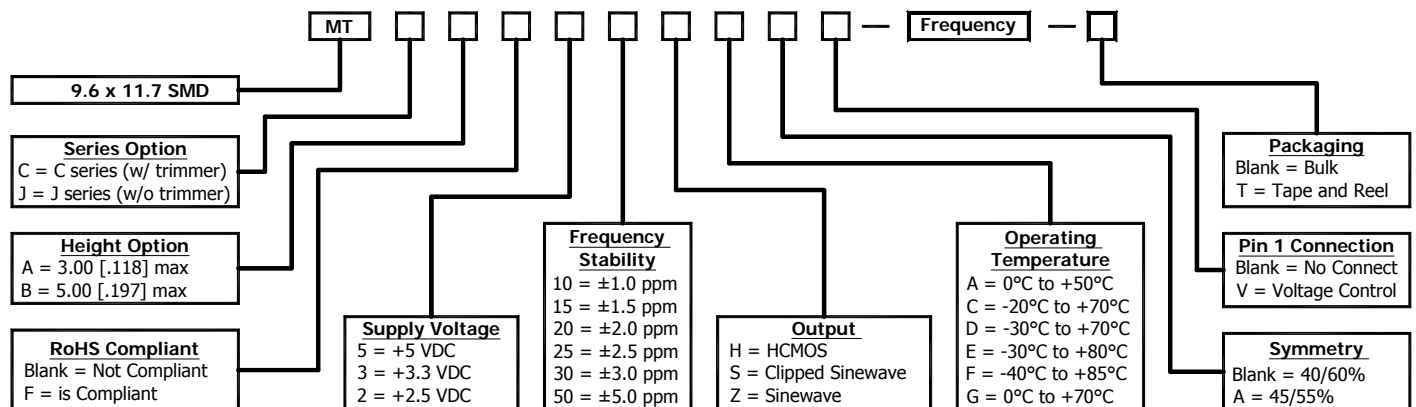


- 11.7 x 9.6 SMD Package
- RoHS Compliant Available
- Voltage Control Option
- Wide Frequency Range

ELECTRICAL SPECIFICATIONS:

Frequency Range	9.600MHZ to 50.000MHZ		
Frequency Stability vs Temperature	(See Frequency Stability vs Temperature Table)		
Frequency Stability vs Aging	±1 ppm per year max		
Frequency Stability vs Voltage	±0.3 ppm for 5% change in Vdd		
Frequency Stability vs Load	±0.3 ppm for 10% change in Load		
Operating Temperature Range	(See Frequency Stability vs Temperature Table)		
Storage Temperature Range	-40°C to +85°C		
Supply Voltage	+3.3 VDC ±5%	5.0 VDC ±5%	
Control Voltage (V Option on Pin 1)	+1.65 VDC ±1.50 VDC Positive Slope	+2.5 VDC ±2.0 VDC Positive Slope	
Tuning Range (V Option on Pin 1)	±10 ppm min		
Output Type	HCMOS	Clipped Sine	Sinewave
Load	10K Ohms // 15pF	10K Ohms // 15pF	50 Ohms
Supply Current	35mA max	3mA max	20mA max
Symmetry (50% of Waveform)	40/60% or 45/55%	N/A	N/A
Output	Logic "1" = 0.9Vdd min Logic "0" = 0.1Vdd max	0.8Vpp min	7dBm
Mechanical Frequency Adjust	±3.0 ppm min (MTC Series only)		

PART NUMBER GUIDE:



Please Consult with MMD Sales Department for any other Parameters or Options

MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688

Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com

Sales@mmdcomp.com

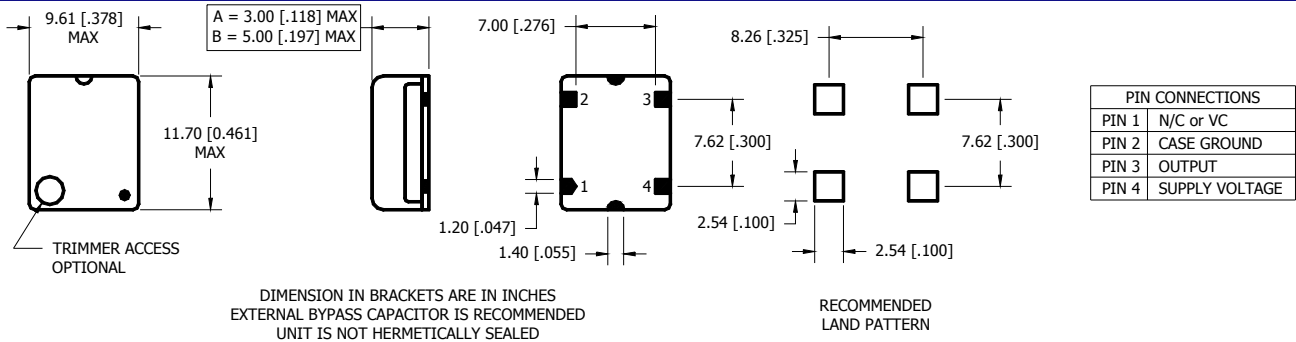
FREQUENCY STABILITY vs TEMPERATURE TABLE:

Code	Stability	10	15	20	25	30	50
	Temp	±1.0ppm	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±5.0ppm
A	0°C TO +50°C	●	●	●	●	●	●
G	0°C TO +70°C	□	●	●	●	●	●
C	-20°C TO +70°C	□	□	●	●	●	●
D	-30°C TO +70°C	□	□	□	●	●	●
F	-40°C TO +85°C	□	□	□	●	●	●

● = Available

□ = Consult with the Manufacturer

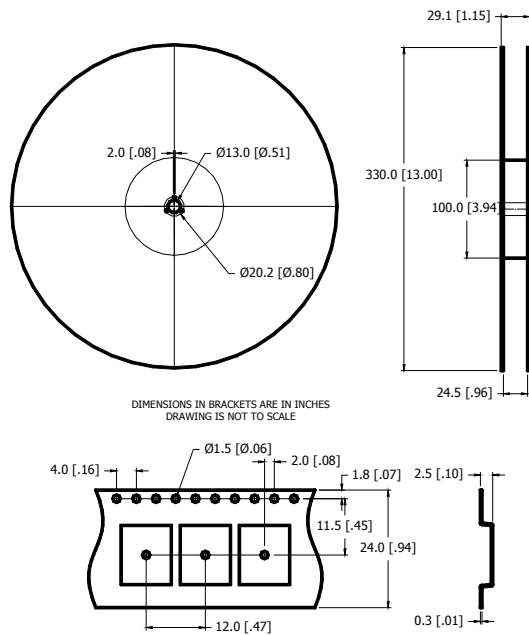
MECHANICAL DIMENSIONS:



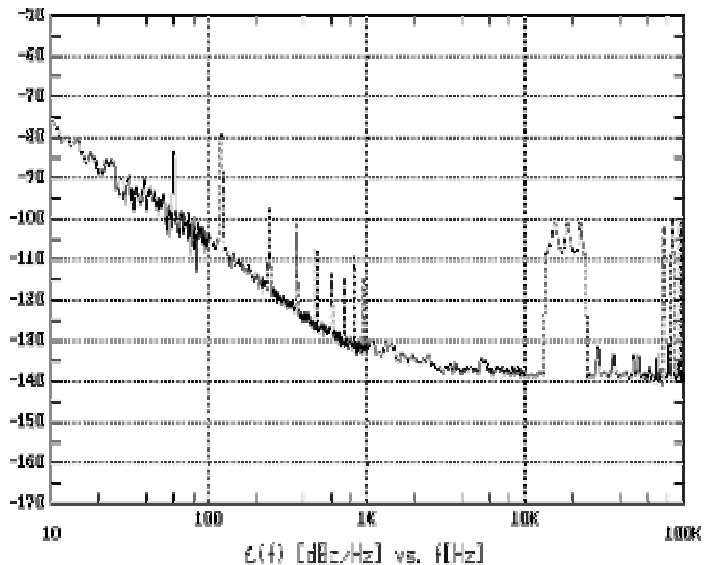
ENVIRONMENT / MECHANICAL:

Shock	MIL-STD-883, Method 2002, Condition B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-883, Method 215
Vibration	MIL-STD-883, Method 2007, Condition A

TAPE and DIMENSIONS:



PHASE NOISE:



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