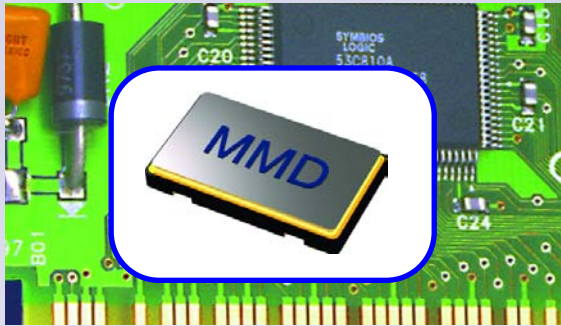


MTT Series

5mm X 3.2mm Ceramic SMD

MMD
COMPONENTS



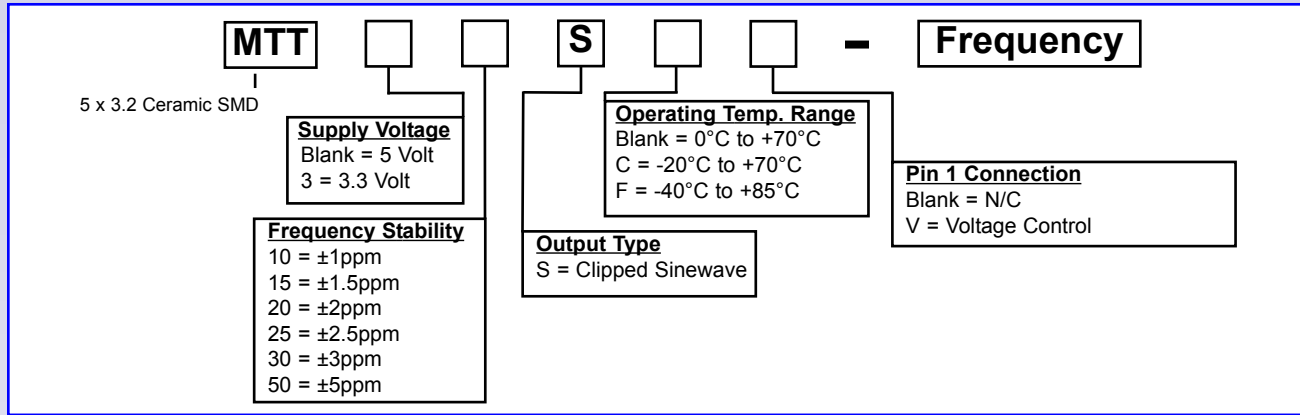
- **4 Pad Ceramic SMD Package**
- **Stability down to ± 1 ppm**
- **3.3 Volt or 5 Volt**
- **-40°C to 85°C Available**
- **Clipped Sinewave Output**

Electrical Specifications

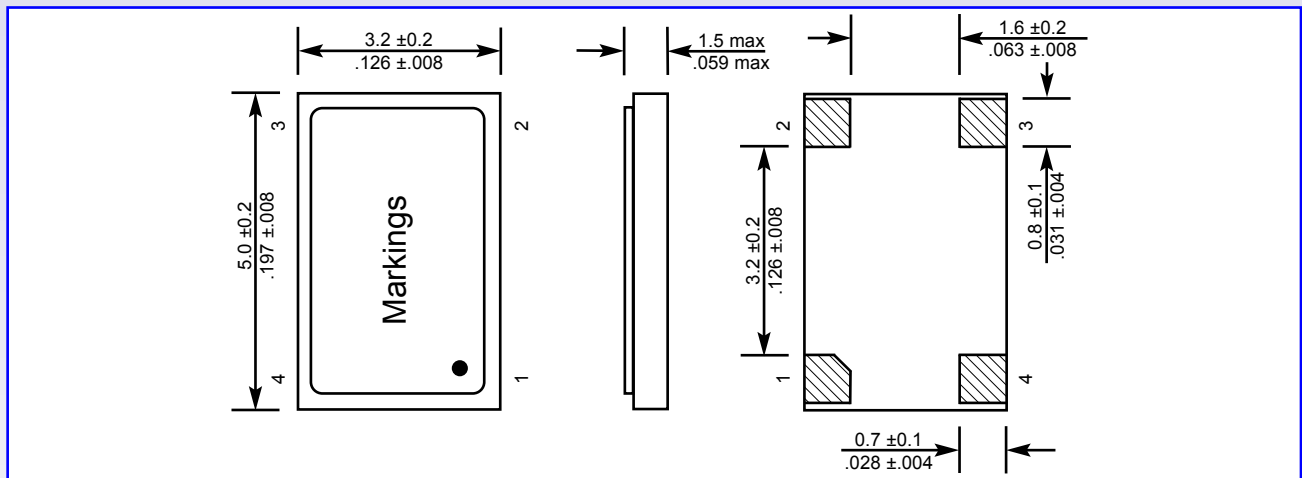
Frequency		10.000MHz to 26.000MHz
Frequency Stability	vs. Temperature, Load and Voltage	± 1 ppm - ± 5 ppm
	vs. Aging	± 3 ppm/yr. max.
Operating Temperature Range		0°C to 70°C to -40°C to 85°C
Storage Temperature Range		-40°C to 85°C
Supply Voltage (Vdd)		3.3Vdc $\pm 5\%$, 5.0Vdc $\pm 5\%$
Supply Current		1.5mA max.
Frequency Tuning Range		± 8 ppm min.
Control Voltage		1.5V ± 1.0 V
Output		Clipped Sinewave
Output Level		0.8V p-p min.
Output Load		10K ohms // 10pF
Start Up Time		5mS max.

Notes

Part Numbering Guide



Mechanical Dimensions

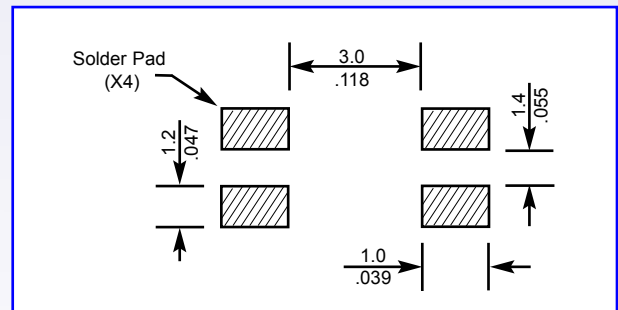


Pin Connections

- Pin 1: N/C* or Control Voltage
- Pin 2: Ground / Case
- Pin 3: Output(Frequency)
- Pin 4: Supply Voltage

* In some cases, Pin 1 ground is required

Suggested Solder Pad Layout



Markings

- Line 1: MMD
- Line 2: Frequency
- Line 3: Date Code