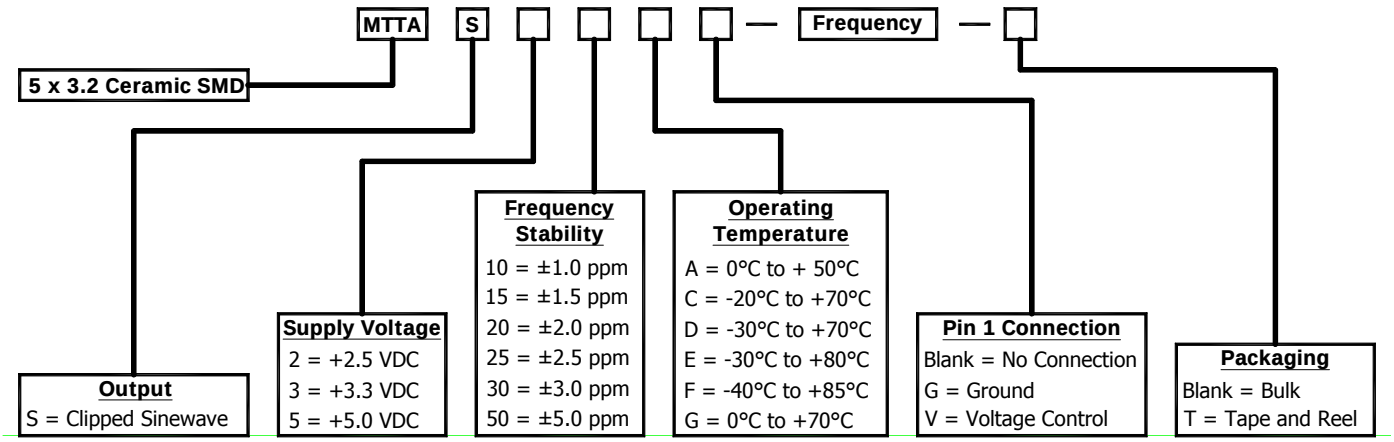
MTTAS Series – 5 x 3.2 Ceramic SMD VCTCXO

- **Low Profile SMD Device**
- **Hermetically Sealed**
- **Tight Stability Over Temperature**
- **Low Power Consumption**

ELECTRICAL SPECIFICATIONS:

Frequency Range	10.000MHZ to 44.545MHZ		
Frequency Stability vs Temperature *	(See Frequency Stability vs Temperature Table)		
Operating Temperature Range	(See Frequency Stability vs Temperature Table)		
Storage Temperature Range	-40°C to +85°C		
Supply Voltage	+2.50VDC	+3.30VDC	+5.00VDC
Supply Current	2mA max		
Output Type	Clipped Sinewave		
Output Level	0.8 Vp-p min		
Output Load	10k Ohms // 10pF		
Control Voltage	1.5VDC ±1.0VDC		
Frequency Tunning Range	±8.0ppm		
* Inclusive of Temperature., Load, Voltage and Aging			

PART NUMBER GUIDE:



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

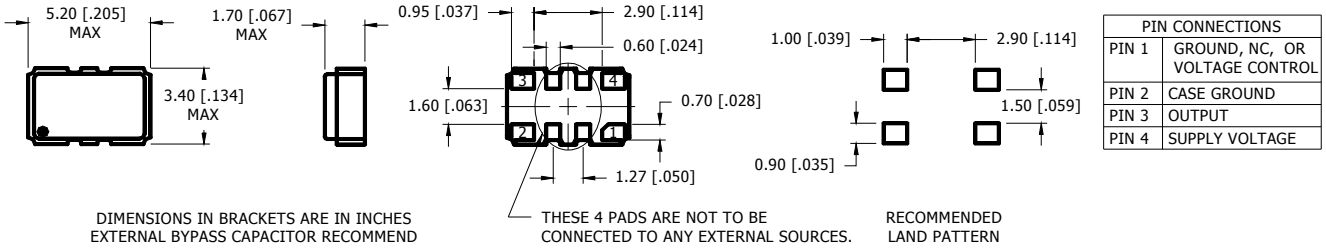
MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com

FREQUENCY STABILITY vs TEMPERATURE TABLE:

Code	Stability / Temp	10 ±1.0ppm	15 ±1.5ppm	20 ±2.0ppm	25 ±2.5ppm	30 ±3.0ppm	50 ±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	☐	☐	●	●	●	●
E	-30°C TO +80°C	☐	☐	●	●	●	●
F	-40°C TO +85°C	☐	☐	☐	●	●	●

● = Available ☐ = Consult with the Manufacturer

MECHANICAL DIMENSIONS:



PIN CONNECTIONS	
PIN 1	GROUND, NC, OR VOLTAGE CONTROL
PIN 2	CASE GROUND
PIN 3	OUTPUT
PIN 4	SUPPLY VOLTAGE

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
Gross Leak Test	MIL-STD-883, Method 1014, Condition C
Fine Leak Test	MIL-STD-883, Method 1014, Condition A-2

MARKING DETAIL:

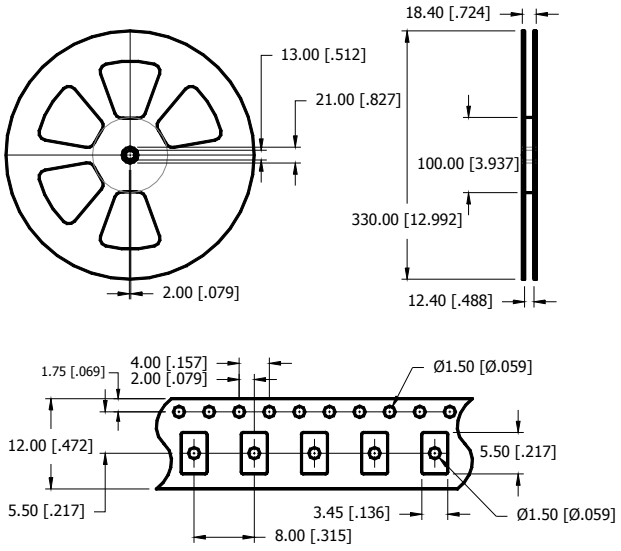
Line 1 = MXXXXX
- M = MMD COMPONENTS
- XXXXX = Frequency in MHZ

Line 2 = SYYMML
- S = Internal Code
- YYMM = 4 Digit Date Code (Year / Month)
- L = Denotes RoHS Compliant

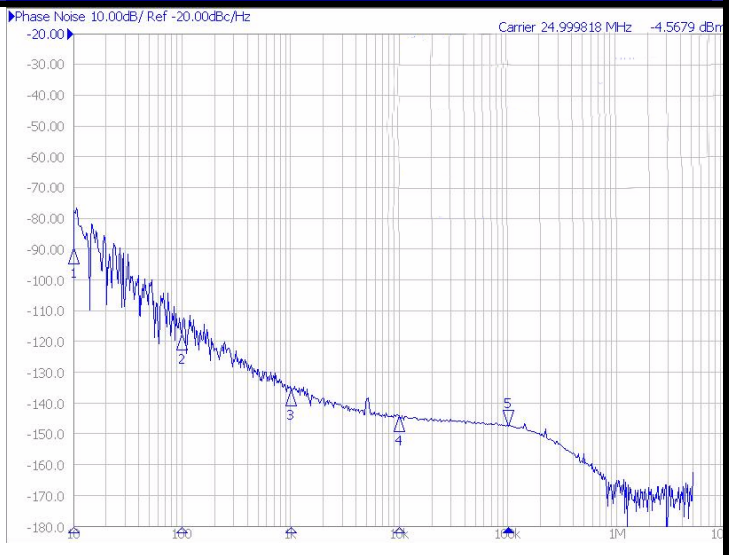
Line 3 = XXXXX
- Internal use only
- May vary with lots

Black dot to denote Pin 1

TAPE and DIMENSIONS:



PHASE NOISE:



MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com