

MTTAS Series – 5 x 3.2 Ceramic SMD VCTCXO



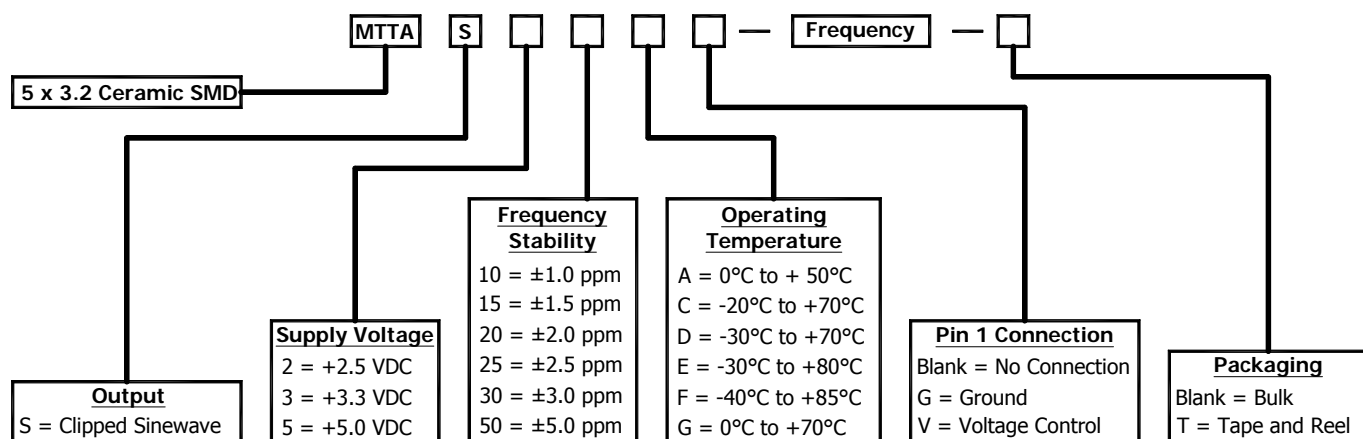
- Low Profile SMD Device
- Hermetically Sealed
- Tight Stability Over Temperature
- Low Power Consumption



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

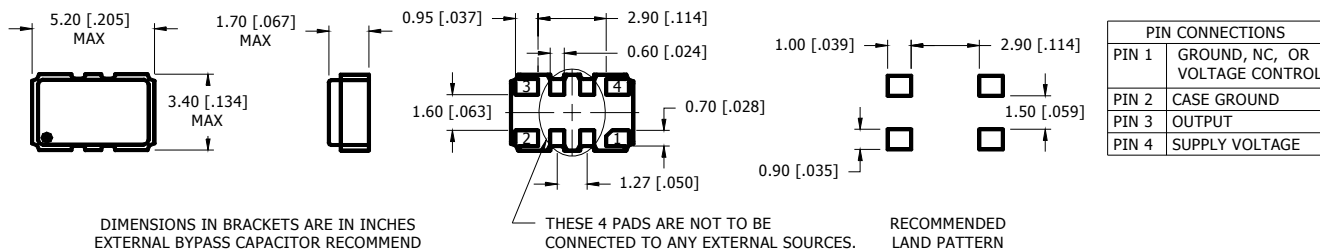
FREQUENCY STABILITY vs TEMPERATURE TABLE:

| Code | Stability Temp | 10 | 15 | 20 | 25 | 30 | 50 |
|------|-------------------|----|----|----|----|----|----|
| 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:



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 = SYMMML

S = Internal Code

YYMM = 4 Digit Date Code (Year / Month)

L = Denotes RoHS Compliant

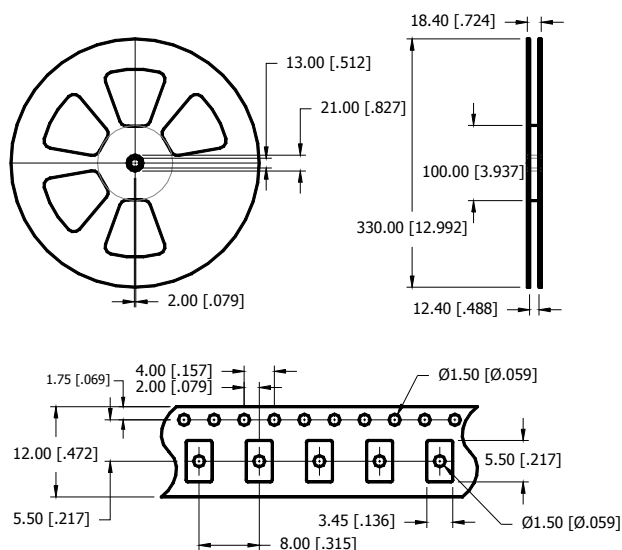
Line 3 = XXXXX

Internal use only

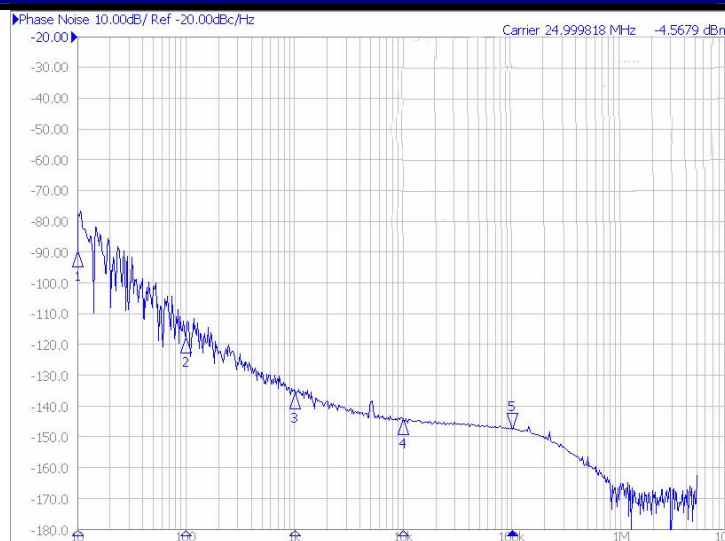
May vary with lots

Black dot to denote Pin 1

TAPE and DIMENSIONS:



PHASE NOISE:



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