MTDS Series - 5 x 7 Ceramic SMD TCXO



- Low Profile SMD TCXO
- Clipped Sinewave Output
- > RoHS Compliant
- Low Power Consumption



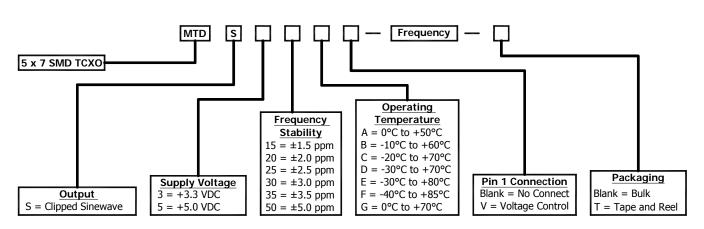
ELECTRICAL SPECIFICATIONS:

Frequency Range	9.600MHZ to 27.000MHZ			
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			
Output Type	Clipped Sinewave			
Supply Voltage	+3.30 VDC ±5%	+5.00 VDC ±5%		
Supply Current	2.0mA max	2.0mA max		
Control Voltage	+1.65 VDC ±1.50 VDC Positive Slope	+2.50 VDC ±2.00 VDC Positive Slope		
Output Level	0.8 Vp-p min	1.0 Vp-p min		
Output Load	10 kΩ // 10pF	10 kΩ // 10pF		

Pin 1		
No Connection	No Connection	
Vc Option	±10 ppm min	

* 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	15	20	25	30	35	50
	Temp	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±3.5ppm	±5.0ppm
Α	0°C TO +50°C	•	•	•	•	•	•
G	0°C TO +70°C		•	•	•	•	•
С	-20°C TO +70°C			•	•	•	•
D	-30°C TO +70°C			•	•	•	•
E	-30°C TO +80°C			•	•	•	•
F	-40°C TO +85°C				•	•	•

^{• =} Available

TRI-STATE OR N/C

GROUND

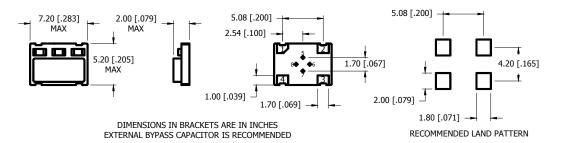
OUTPUT

PIN 4 SUPPLY VOLTAGE
PIN 5-8 FACTORY TEST

TERMINALS (DO NOT USE)

PIN 2 PIN 3

MECHANICAL DIMENSIONS:



2.76 [.109] -

ENVIRONMENT / MECHANICAL:

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

TAPE and DIMENSIONS:

1.26 [.050] Ø8.19 [Ø.322] 40.16 [1.581] 12.60 [.496] DETAIL A 12.00 [.472] 4.00 [.157] 2.00 [.079] Ø1.50 [Ø.059] 1.75 [.069] 0.30 [.012] 12.10 [.476] 24.00 [.945] 2.20 [.087] 10.20 [.402] -Ø1.50 [Ø.059] DIMENSION IN BRACKETS ARE IN INCHES DRAWING NOT TO SCALE

MARKING:

Line 1 = MXXXXX

M = MMD COMPONENTSXXXXX = 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

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⁼ Consult with the Manufacturer