

MTDS Series – 5 x 7 Ceramic SMD TCXO



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



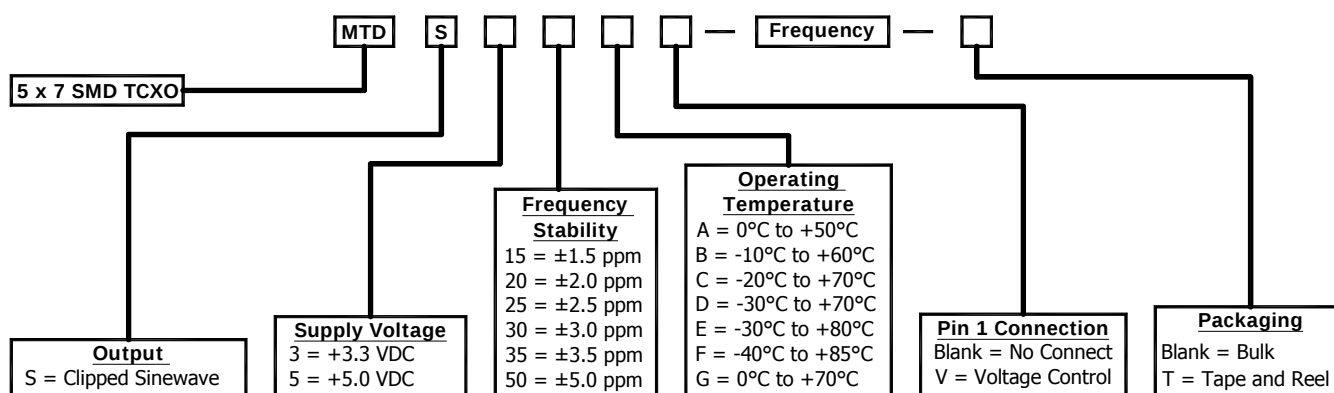
ELECTRICAL SPECIFICATIONS:

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

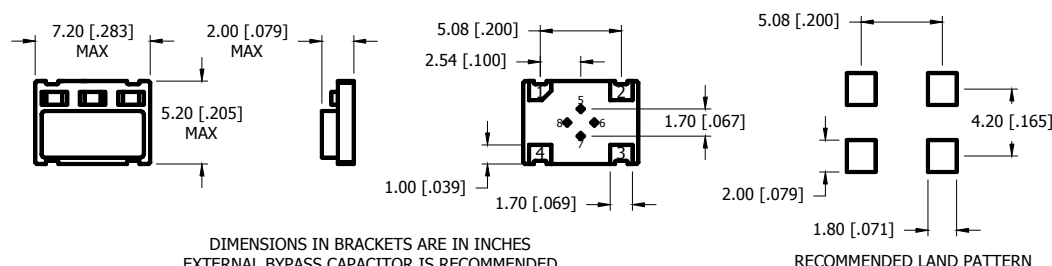
FREQUENCY STABILITY vs TEMPERATURE TABLE:

Code	Stability Temp	15	20	25	30	35	50
		±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±3.5ppm	±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:

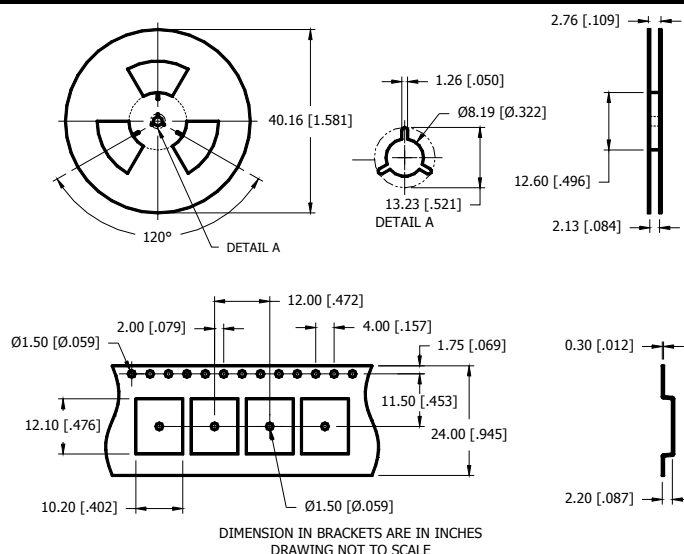


PIN 1	TRI-STATE OR N/C
PIN 2	GROUND
PIN 3	OUTPUT
PIN 4	SUPPLY VOLTAGE
PIN 5-8	FACTORY TEST TERMINALS (DO NOT USE)

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:



MARKING:

Line 1 = MXXXXX

M = MMD COMPONENTS

XXXXX = Frequency in MHZ

Line 2 = SYMML

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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