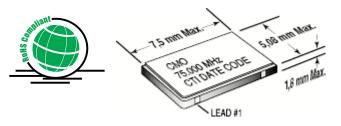
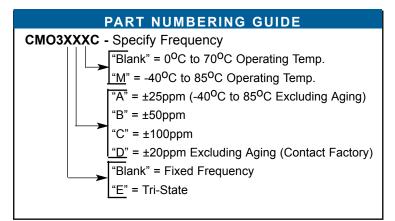


### THIS PRODUCT IS NOT RECOMMENDED FOR NEW DESIGNS. PLEASE REFER TO THE M2 PRODUCT SERIES.

- CMOS Compatible
- Tri-State Feature for Auto Test Systems
- Tape & Reel Packaging
- + ±20ppm Available Please Contact Factory



	ELECTRICAL SPECIFICATIONS				
MODEL	CMO3				
Frequency Range (MHz)	1.5 to 156.250				
Frequency Stability (ppm)					
Overall (Typical)	Inclusive of calibration, temperature, voltage, load, shock, vibration, aging				
0°C to 70°C	±25				
-40°C to +85°C	±50				
Temperature Range (°C)					
Operating	-40°C to +85°C				
Storage	-40°C to +125°C				
Supply Voltage (V)	+3.3 ±10%				
Input Current (mA)	1.5 MHz to 20 MHz	>20 MHz to 50 MHz	>50 MHz to 67 MHz	>67 MHz to 156.25 MHz	
	<10	<20	<30	<55	
Symmetry (%) CMOS	45/55				
Transition Time 20% to 80% Vdd	1.5 MHz to 50 MHz		>50 MHz to 156.250 MHz		
Rise Time (ns)	<5		<3		
Fall Time (ns)	<5		<3		
Load	15pF				
"0" Level (V <sub>ог</sub> ) max	10% Vdd				
"1" Level (V <sub>он</sub> ) min	90% Vdd				
Start up Time (ms)	<10				

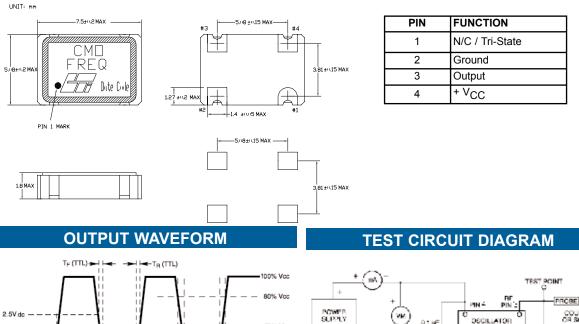


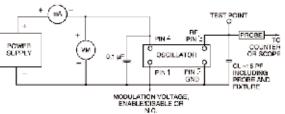
MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.



### THIS PRODUCT IS NOT RECOMMENDED FOR NEW DESIGNS. PLEASE REFER TO THE M2 PRODUCT SERIES.





## MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

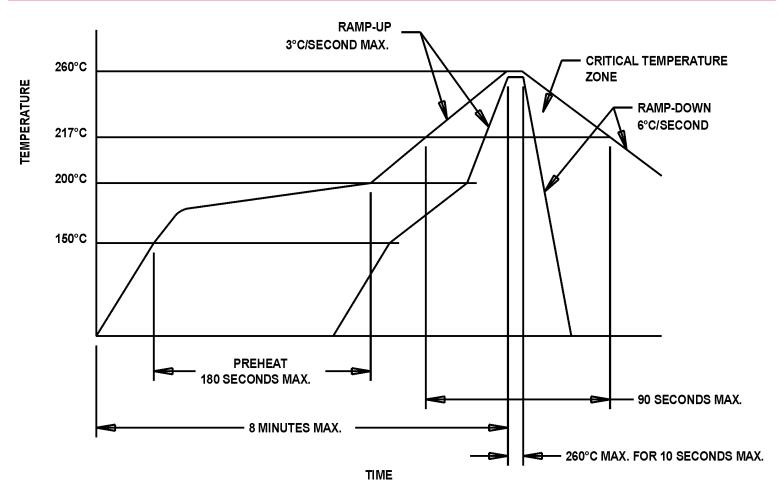
TEST METHODS	REFERENCE PROCEDURES	DESCRIPTION
Temperature Cycle	MIL-STD-833, Mtd 1010, Cond. B	-55°C to +125°C; Air-to-Air; 100 cycles; 10 min. dwell
Mechanical Shock	MIL-STD-883, Mtd 2002, Cond. B	1500 g's
Vibration	MIL-STD 883, Mtd 2007, Cond. B	20-2000 Hz; 0.06 inch; 15g's; 3 planes
Humidity Steady State	MIL-STD-202, Mtd 103	40°C; 90%-95% R.H.; 56 days
Thermal Shock	MIL-STD-883, Mtd 1011.7 Cond. B	100°C to 0°C; Water-to-Water; 15 cycles
Electrostatic Discharge	MIL-STD-883, Mtd 3015 Class II	2 KV to 4 KV Threshold
Solderability	MIL-STD-883, Mtd 2022.2	Solder dip; Meniscograph Criteria
Hermeticity	MIL-STD-883, Mtd 1014.8, Cond. A1	Mass spectro. 2 x 10-8 atmos. CC/sec He
Resistance to Soldering	MIL-STD-202, Mtd 210D, Cond. J	235°C; 30 seconds
Lead Integrity	MIL-STD-883, Mtd 2004.5, Cond. A, B1	Lead tension & bend stress
Marking Permanence	MIL-STD-883, Mtd 2015.8	Resistance to solvents
Life Test	MIL-STD-883, Mtd 1005.6	125°C, powered, 1000 hours minimum

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.

# **Mtron PTI**<sup>®</sup>

# **MtronPTI Lead Free Solder Profile**



MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.