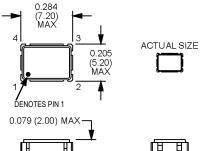


PLEASE REFER TO THE M1 PRODUCT SERIES.

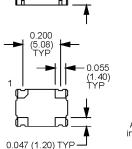




- AT-strip crystal in a miniature ceramic surface mount package.
- TTL and HCMOS compatible
- Tri-state output is optional

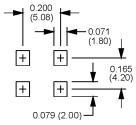






All dimensions in inches (mm).

SUGGESTED SOLDER PAD LAYOUT

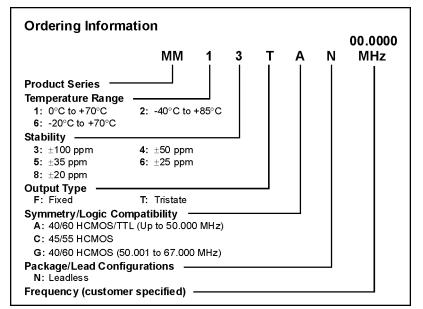


NOTE: A capacitor of value 0.01 µF or greater between Vdd and Ground is recommended.

PIN	FUNCTION			
1	N/C or Tri-state			
2	Ground			
3	Output			
4	+Vdd			

Tri-state Control Logic

Pin 1 high or floating: clock signal output. Pin 1 low: output disabled to high impedance.



Electrical Specifications

Standard Operating Conditions • 0°C to +70°C; Vdd = 5.0 ±10% VDC

Storage Temperature • -55°C to +125°C

				-
A SYMMETRY/LOGIC				
TTL Load		HCMOS Load		
MIN.	MAX.	MIN.	MAX.	UNITS
1.500	50.000	1.500	50.000	MHz
	10		50	TTL/pF
40/60	60/40	40/60	60/40	%
	0.5		10% Vdd	V
Vdd-0.5		90 % Vdd		V
	6		10	ns
	20		25	mA
	25		30	mA
	40		45	mA
G SYMMETRY/LOGIC				
		50.001	67.000	MHz
			50	pF
		40/60	60/40	%
			10% Vdd	V
		90 % Vdd		V
			10	ns
			60	mA
	MIN. 1.500 40/60	TTL Load MIN. MAX. 1.500 50.000 10 10 40/60 60/40 0.5 0.5 Vdd-0.5 6 20 25 40 40	TTL Load HCMC MIN. MAX. MIN. 1.500 50.000 1.500 40/60 60/40 40/60 40/60 60/40 40/60 40/60 60/40 40/60 20 25 40 CSYMMETRY/LOGIC 50.001 50.001 40/60 40/60 40/60	TTL Load HCMOS Load MIN. MAX. MIN. MAX. 1.500 50.000 1.500 50.000 10 50 50 40/60 60/40 40/60 60/40 0.5 90% Vdd 10% Vdd Vdd-0.5 90% Vdd 25 30 20 25 30 45 25 30 45 45 FEY/LOGIC G SYMMETRY/LOGIC 10 50.001 67.000 10 40/60 60/40 10 90% Vdd 10% Vdd

Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

TTL load - See load circuit diagram #1. HCMOS load - See load circuit diagram #2.

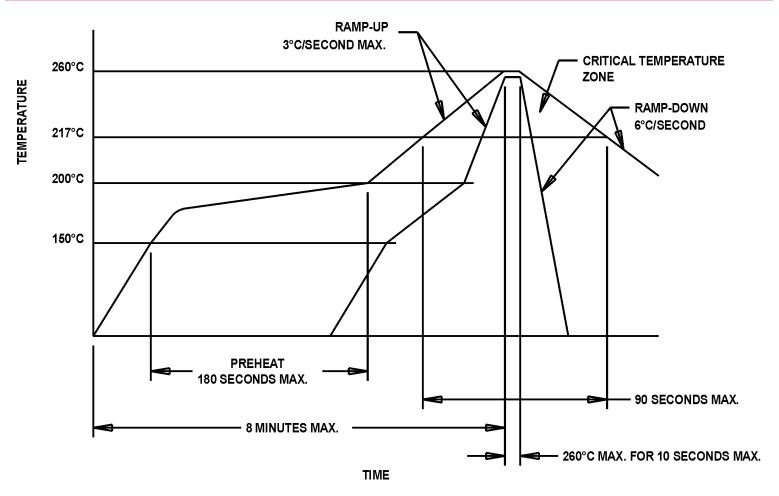
³ Symmetry is measured at 1.4 V with TTL load, and at 50% Vdd with HCMOS load.

 4 Rise/Fall times are measured between 0.5 V and 2.4 V with TTL load, and between 10% Vdd and 90% Vdd with HCMOS load.

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

OBSOLETE MtronPTI Lead Free Solder Profile



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