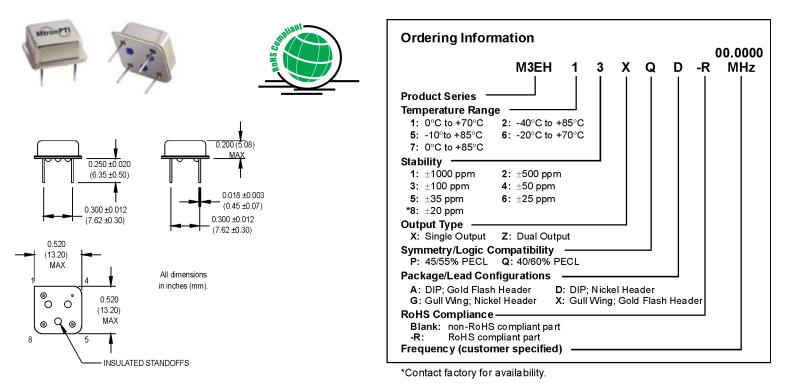
## M3EH Series 8 pin DIP, 3.3 Volt, ECL/PECL, Clock Oscillator





## **Pin Connections**

PIN	FUNCTION(S) (Model Dependent)				
1	N/C, Output #2				
4	-Vee, Ground				
5	Output #1				
8	+Vcc				

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition
	FARAMETER	Symbol	101111.	тур.	Мал.	Units	Condition
Electrical Specifications	Frequency Range	F	1.5		155.52	MHz	
	Frequency Stability	∆ <b>F/F</b>	(See Ordering Information)				See Note 1
	Operating Temperature	TA (See Ordering Informat		nation)			
	Storage Temperature	Ts	-55		+125	°C	
	Input Voltage	Vcc	3.15	3.3	3.45	V	
	Input Current	lee/lcc			100	mA	
	Symmetry (Duty Cycle)		(See Ordering Information)				Vcc -1.3 V level
	Load		50 $\Omega$ to Vcc -2V or Thevenin Equiv			/alent	See Note 2
	Rise/Fall Time	Tr/Tf			2.5	ns	See Note 3
	Logic "1" Level	Voh	Vcc -1.02			V	
	Logic "0" Level	Vol			Vcc -1.63	V	
	Cycle to Cycle Jitter			13	25	ps RMS	1 Sigma
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C					
	Vibration	Per MIL-STD-202, Method 201 & 204					
	Wave Solder Conditions	260°C for 10 s max.					
	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 <sup>®</sup> atm.cc/s of helium)					
ш	Solderability	Per EIAJ-STD-002					

1. Calibration, deviation over temperature, shock, vibration, and aging.

2. Internally terminated outputs. See load circuit diagram #5.

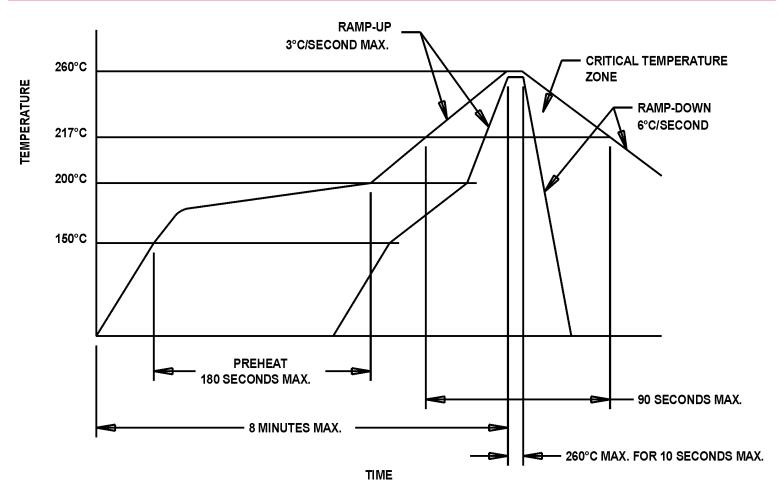
3. Rise/Fall times are measured between Vcc -1.02 V and Vcc -1.63 V.

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**



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