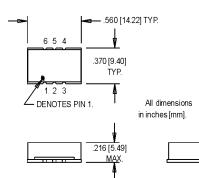
F2139BA Series 9x14 mm FR-4, 3.3 Volt, PECL, Clock Oscillator

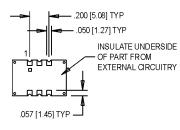






- Former Champion Product
- Clock Recovery, Optic Transmission Equipment, **Digital Cross Connect Equipment**

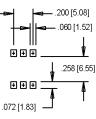




Pin Connections

PIN	FUNCTION			
1	N/C or E/D			
2	N/C			
3	Vss/Ground			
4	Output Q			
5	Output Q			
6	+Vcc			

SUGGESTED SOLDER PAD LAYOUT



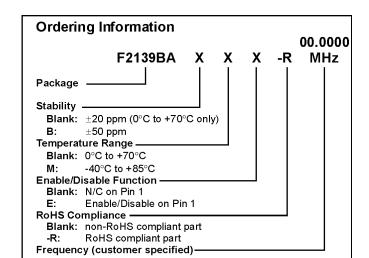
PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
Frequency Range	F	70		200	MHz	
Operating Tempera	ature T _A	(See Ordering Information)				
Storage Temperatu	ure Ts	-40		+85	°C	
Frequency Stabilit	y ∆F/F	(See Ordering Information)				See Note 1
Aging						
1st Year			±2		ppm	
Thereafter (per y	/ear)		±1		ppm	
1st Year Thereafter (per y Input Voltage Input Current Output Type Load Symmetry (Duty C	Vcc	3.135	3.3	3.465	V	
Input Current	lcc			70	mA	
Output Type						PECL
Load		50 Ω to (Vcc - 2V) or Thevenin equivalent				
Symmetry (Duty C	ycle)	45		55	%	(Vcc - 1.3) ref. level
Output Skew				100	ps	50%
Logic "1" Level	Voh	Vcc-1.02		Vcc -0.72	V	50Ω into (Vcc -2) load
Logic "0" Level	Vol	Vcc-1.95		Vcc-1.60	V	50Ω into (Vcc -2) load
Rise Time	Tr			450	ps	20% to 80%
Fall Time	Tf			450	ps	80% to 20%
Enable Function		PECL low: output active				
		PECL high: output disables				
Start up Time				10	ms	
Random Jitter	Rj		5	12	ps RMS	1-Sigma

1. Inclusive of calibration, temperature, voltage, load and 10 years aging.

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.

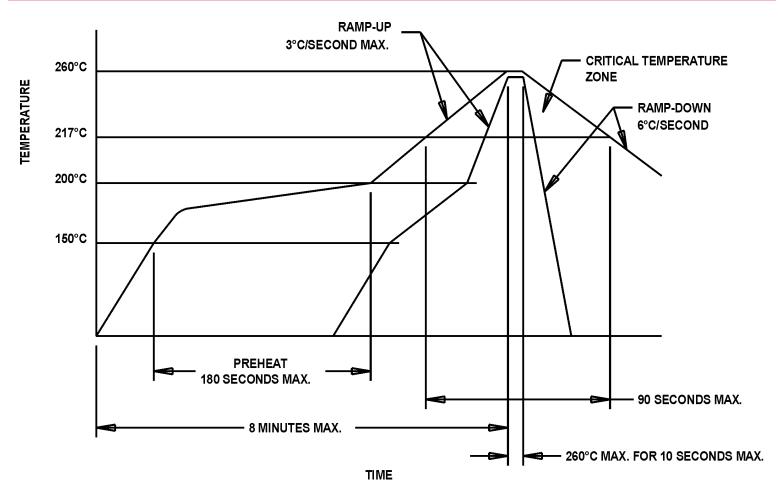
Electrical Specifications

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[®]

MtronPTI Lead Free Solder Profile



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