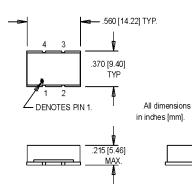
F1139BA Series 9x14 mm FR-4, 3.3 Volt, PECL, Clock Oscillator

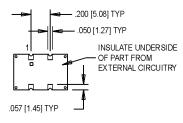






- Former Champion Product
- Clock Recovery, Optic Transmission Equipment, Digital Cross Connect Equipment



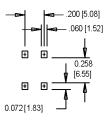


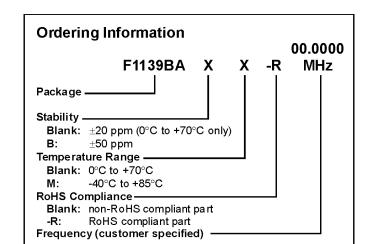
Pin Connections					
PIN	FUNCTION				
1	Output				
2	Vss/Ground				
3	Output				

+Vcc

4

SUGGESTED SOLDER PAD LAYOUT





	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
Specifications	Frequency Range	F	70		200	MHz	
	Operating Temperature	TA	(See Ordering Information)				
	Storage Temperature	Ts	-40		+85	°C	
	Frequency Stability	∆ F/F	(See Ordering Information)				See Note 1
	Aging						
	1st Year			±2		ppm	
	Thereafter (per year)			±1		ppm	
bed	Input Voltage	Vcc	3.135	3.3	3.465	V	
Electrical S	Input Current	lcc			70	mA	
	Output Type						PECL
	Load		50 Ω to (Vcc - 2V) or Thevenin equivalent				
	Symmetry (Duty Cycle)		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%
	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.

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