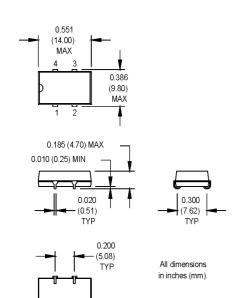
M3R Series

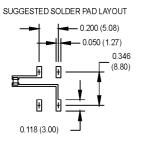
9x14 mm, 3.3 Volt, HCMOS/TTL, Clock Oscillator











								00.00
	M3R	1	3	F	Α	J	-R	MH
Product Series -								
Temperature Rang	e ——							
1: 0°C to +70°C	-							
2: -40°C to +85°C								
6: -20°C to +70°C								
Stability ———								
3: ±100 ppm 4:	±50 ppm							
6 : ±25 ppm*								
Output Type ——								
	T:							
Symmetry/Logic C					_			
A: 40/60 TTL/HCM								
Package/Lead Con J: J Lead	iiguration	s —						
RoHS Compliance								
Blank: non-RoHS								
-R: RoHS com		part						

^{*0°}C to 70°C only

Pin Connections

PIN	FUNCTION		
1	N/C or Tristate		
2	Gro und		
3	Output		
4	+Vdd		

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
Electrical Specifications	Frequency Range	F	1	 	80	MHz	
	Operating Temperature	TA	(See Ordering Information)				
	Storage Temperature	Ts	-55		+125	°C	
	Frequency Stability	∆F/F	(See Ordering Information)				
	Aging						
	1st Year		-5		+5	ppm	
	Thereafter (per year)		-5		+5	ppm	
	Input Voltage	Vdd	3.0	3.3	3.6	٧	
	Input Current	ldd			15	mA	1.000 to 27.000 MHz
					20	mA	27.001 to 50.000 Mhz
					40	mA	50.001 to 80.000 MHz
	Output Type						HCMOS/TTL
	Load				15	pF	See Note 1
	Symmetry (Duty Cycle)		(See Ordering Information)				50% Vdd Level
	Logic "1" Level	Voh	90% Vdd			٧	HCMOS Load
	Logic "0" Level	Vol			10% Vdd	٧	HCMOS Load
	Output Current				±4	mA	
	Rise/Fall Time	Tr/Tf			8	ns	See Note 2
	Tristate Function		Input Logic "1" or floating; output active Input Logic "0"; output disables to high-Z				
	Start up Time				10	ms	
	Random Jitter	Rj		5	12	ps RMS	1-Sigma

- 1. See load circuit diagram #2
- 2. Rise/Fall times are measured between 10% Vdd and 90% Vdd with HCMOS load
- 3. TTL output drive capability is 2 TTL (10 LS-TTL)

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.