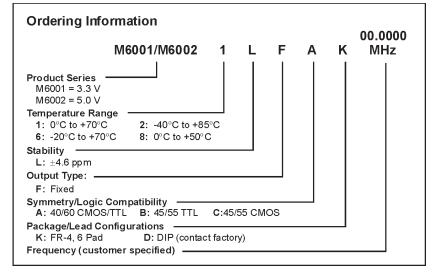
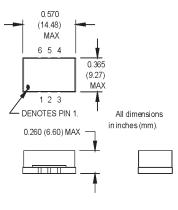
## M6001 & M6002 Series 9x14 mm FR-4, 5.0 or 3.3 Volt, HCMOS/TTL, TCXO





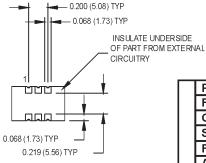
- Stratum 3 compliant stability and aging
- Ideal for WLL/DWDM/ ATM, and SONET/SDH applications

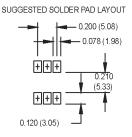




## **Pin Connections**

FUNCTION	SMT		
N/C	1		
Tristate	2		
Ground/Case	3		
Output	4		
N/C	5		
+Vdd	6		





	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
Electrical Specifications	Frequency Range	F	5		30	MHz	
	Operating Temperature	TA	(See Ordering Information)				
	Storage Temperature	Ts	-55		+105	°C	
	Frequency Stability		(See Ordering Information)				See Note 1
	Aging						
	1st Year				1.0	ppm	
	Thereafter (per year)				0.5	ppm	
	Input Voltage	Vdd	3.15	3.3	3.45	V	M6001
			4.75	5.0	5.25	V	M6002
	Input Current	ldd			10	mA	M6001
					20	mA	M6002
	Output Type						CMOS
	Load			15		pF	
둟	Symmetry (Duty Cycle)		(See Ordering Information)				
ਜ਼	Logic "1" Level	Voh	90 %			Vdd	
	Logic "0" Level	Vol			10%	Vdd	
	Rise/Fall Time	Tr/Tf			3	ns	
	Tristate Function		Input Logic "1": output active				
			Input Logic "0": output disables				
	Start up Time		10			ms	
	Phase Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	Offset from carrier
	@19.44 MHz	-77	-107	-128	-143	-148	

<sup>1.</sup> Stability is inclusive of initial calibration, temperature, reflow, supply, load, shock, vibration, and five year aging at 55°C.

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.