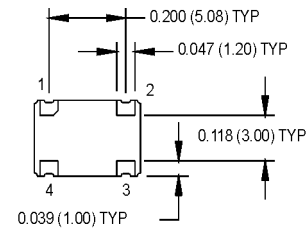
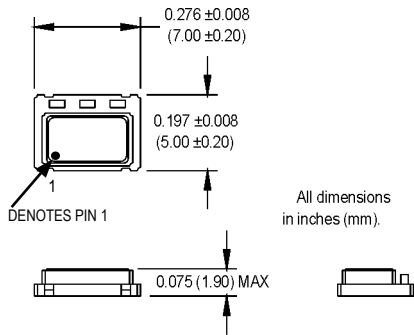


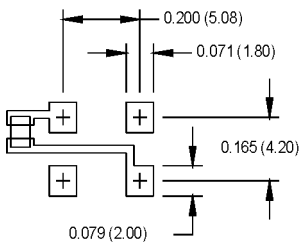
# M6029 and M6030 Series

## 5x7 mm, 3.0 Volt, Clipped Sinewave, TCXO/TCVCXO

- Miniature Size
- Ideal for handheld and portable devices



SUGGESTED SOLDER PAD LAYOUT



### Ordering Information

	M6029/M6030	1	H	F	S	N	00.0000 MHz
Product Series	M6029 = TCXO M6030 = TCVCXO						
Temperature Range	1: 0°C to +70°C 8: 0°C to +50°C F: -30°C to +75°C	6: -20°C to +70°C A: -10°C to +60°C					
Stability	H: ±2.5 ppm J: ±1.5 ppm	L: ±5 ppm					
Frequency Control	F: Fixed for TCXO V: Voltage Tuned for TCVCXO						
Output Type	S: Clipped Sinewave						
Package/Lead Configurations	N: Leadless						
Frequency (customer specified)							

### Pin Connections

PIN	FUNCTION
1	N/C or Control Voltage
2	Ground/Case
3	Output
4	+Vdd

Electrical Specifications	PARAMETER	Symbol	Min.	Typ.	Max.	Units	Condition/Notes	
	Frequency Range	F	12.6		26	MHz		
	Operating Temperature	T <sub>A</sub>	(See Ordering Information)					
	Storage Temperature	T <sub>s</sub>	-30		+75	°C		
	Frequency Stability	ΔF/F	(See Ordering Information)					
	Aging							
	1st Year		-1		+1	ppm	@ 25°C	
	Thereafter (per year)		-1		+1	ppm	@ 25°C	
	Control Voltage	V <sub>c</sub>	0.5	1.5	2.5	V	M6030	
	Tuning Range		±5		±15	ppm	M6030	
	Input Voltage	V <sub>dd</sub>	2.85	3.0	3.15	V		
	Input Current	I <sub>dd</sub>			2.5	mA		
	Output Type						Clipped Sinewave	
	Load		10K Ω    10 pF					
	Output Level		0.8			V	pk-pk	
Start up Time			5		ms			
Phase Noise (Typical)		10 Hz -80	100 Hz -110	1 kHz -130	10 kHz -145		Offset from carrier dBc/Hz	

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.

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# MtronPTI Lead Free Solder Profile

