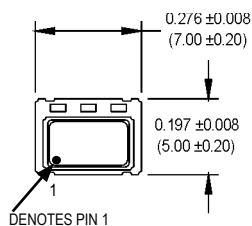


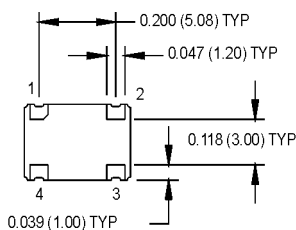
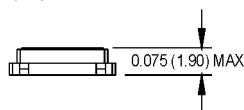
M6029 and M6030 Series

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

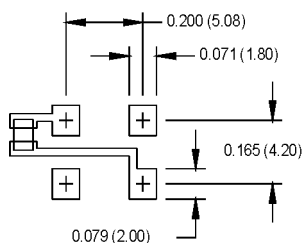
- **Miniature Size**
- **Ideal for handheld and portable devices**



All dimensions
in inches (mm).



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							
6: -20°C to +70°C							
8: 0°C to +50°C							
A: -10°C to +60°C							
F: -30°C to +75°C							
Stability							
H: ±2.5 ppm							
L: ±5 ppm							
J: ±1.5 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 _A	(See Ordering Information)				
	Storage Temperature	T _s	-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 _c	0.5	1.5	2.5	V	M6030
	Tuning Range		±5		±15	ppm	M6030
	Input Voltage	V _{dd}	2.85	3.0	3.15	V	
	Input Current	I _{dd}			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.

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