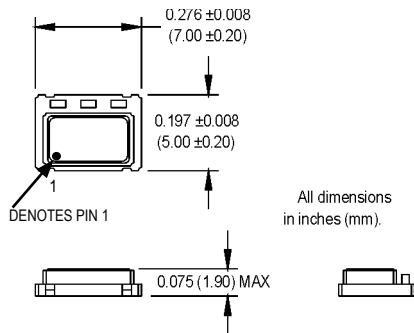


M6029 and M6030 Series

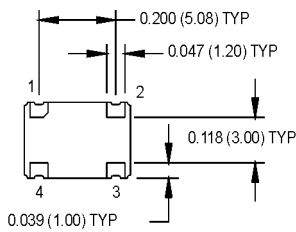
5x7 mm, 3.0 Volt, Clipped Sinewave, TCXO/TCVCXO

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



Ordering Information

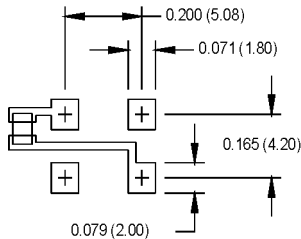
	M6029/M6030	1	H	F	S	N	00.0000 MHz
Product Series	M6029 = TCXO M6030 = TCVCXO						
Temperature Range	1: 0°C to +70°C 6: -20°C to +70°C 8: 0°C to +50°C A: -10°C to +60°C F: -30°C to +75°C						
Stability	H: ±2.5 ppm J: ±1.5 ppm L: ±5 ppm						
Frequency Control	F: Fixed for TCXO V: Voltage Tuned for TCVCXO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

SUGGESTED SOLDER PAD LAYOUT



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	100 Hz	1 kHz	10 kHz	Offset from carrier		
		-80	-110	-130	-145	dBc/Hz		

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MtronPTI Lead Free Solder Profile



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