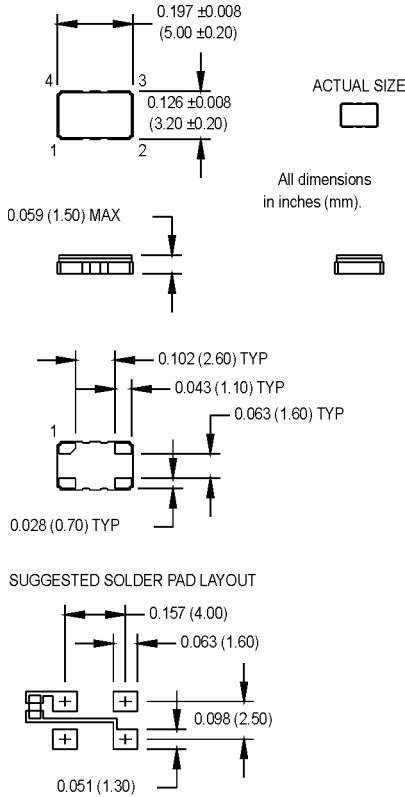


M6027 & M6028 Series

3.2 x 5 mm, 3.0 Volt, Clipped Sinewave, TCXO/TCVCXO



- Ultra-miniature size
- Ideal for handheld and portable devices



Pin Connections

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

Ordering Information

	M6027/M6028	1	H	F	S	N	00.0000 MHz
Product Series							
M6027 = TCXO							
M6028 = 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							
Frequency Control							
F: Fixed for TCXO							
V: Voltage Tuned for TCVCXO							
Output Type							
S: Clipped Sinewave							
Package/Lead Configurations							
N: Leadless							
Frequency (customer specified)							

	PARAMETER	Symbol	Units		
Electrical Specifications	Frequency Range	F	12.6 to 26		
	Initial Frequency Tolerance @ +25°C		±0.5 (Vc = 1.5V)		
	Frequency Stability Over Operating Temperature	ΔF/F	(See Ordering Information)		
	Frequency vs. Supply Voltage		±0.3 max.		
	Frequency vs. Aging		±1.0/year max @ +25°C		
	Input Voltage	Vdd	+3.0 ±5%		
	Input Current	Idd	2 max.		
	Output Type		Clipped Sinewave		
	Output Level		0.8 pk-pk min.		
	Output Load		10K II 10 pF		
	Frequency Tuning		±5 to ±15 over control voltage range		
	Control Voltage	Vc	1.5 ±1.0		
	Phase Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz
Environmental	Mechanical Shock		Per MIL-STD-202, Method 213, Condition C		
	Vibration		Per MIL-STD-202, Method 201 & 204		
	Wave Solder Conditions		See "Figure 2" on page 147		
	Hermeticity		Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm.cc/s of helium)		
	Solderability		Per EIAJ-STD-002		

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.

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