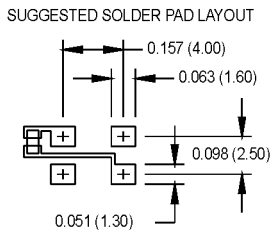
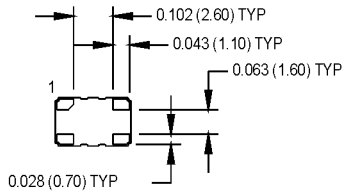
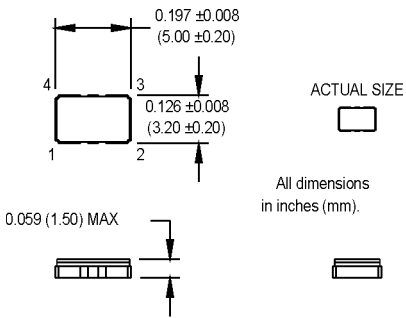


# M6027 & M6028 Series

## 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 8: 0°C to +50°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			
Frequency Stability		$\Delta F/F$	(See Ordering Information)				
Over Operating Temperature			±0.3 max.				ppm
Frequency vs. Supply Voltage			±1.0/year max @ +25°C				ppm
Frequency vs. Aging			±3.0 ±5%				V
Input Voltage		Vdd	2 max.				mA
Output Type			Clipped Sinewave				
Output Level			0.8 pk-pk min.				V
Output Load			10K    10 pF				
Frequency Tuning			±5 to ±15 over control voltage range				ppm (M6028 only)
Control Voltage		Vc	1.5 ±1.0				V (M6028 only)
Phase Noise (Typical)		10 Hz	100 Hz	1 kHz	10 kHz		dBc/Hz
Environmental		Mechanical Shock		-80	-110	-130	-145
	Vibration		Per MIL-STD-202, Method 213, Condition C				
	Wave Solder Conditions		Per MIL-STD-202, Method 201 & 204				
	Hermeticity		See "Figure 2" on page 147				
Solderability		Per MIL-STD-202, Method 112 (1 x 10 <sup>3</sup> atm.cc/s of helium)					
			Per EIAJ-STD-002				

# MtronPTI Lead Free Solder Profile

