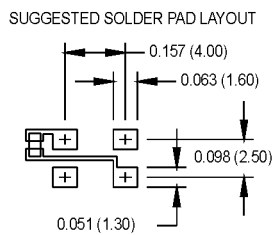
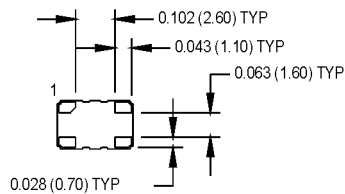
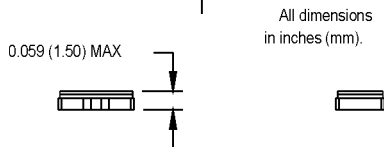
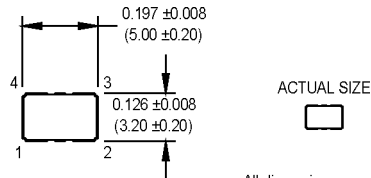


M6027 & M6028 Series

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

Product Series	1	H	F	S	N	00.0000 MHz
M6027/M6028						
Product Series	M6027/M6028					
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)	00.0000 MHz					

	PARAMETER		Symbol	Units	
	Electrical Specifications	Frequency Range	F		12.6 to 26
Initial Frequency Tolerance @ +25°C				±0.5 (Vc = 1.5V)	ppm (M6028 only)
Frequency Stability Over Operating Temperature		ΔF/F		(See Ordering Information)	
Frequency vs. Supply Voltage				±0.3 max.	ppm
Frequency vs. Aging				±1.0/year max @ +25°C	ppm
Input Voltage		Vdd		+3.0 ±5%	V
Input Current		Idd		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
	-80	-110	-130	-145	
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	