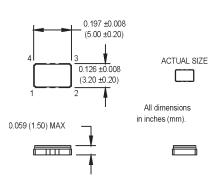
M6027 & M6028 Series

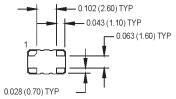


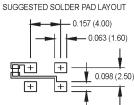


- Ultra-miniature size
- Ideal for handheld and portable devices









Pin Connections

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

Ordering Informa	M6027/M6028	1	Н	F	s	N	00.000 MHz
	6: -20°C to + A: -10°C to +	-70°C					
F: Fixed for TCXC V: Voltage Tuned Output Type							
S: Clipped Sinewa Package/Lead Conf N: Leadless Frequency (custom	igurations ——						

M6027Sxxx & M6028Sxxx - Contact factory for datasheets.

	PARAMETER	SYMBOL		UNITS				
	Frequency Range	F	12.6 to 26	MHz				
Electrical Specifications	Frequency Stability	?F/F						
	Over Operating Temperature		(See Ordering Information)					
	Frequency Vs. Supply Voltage		±0.3 Max.	ppm				
	Frequency Vs. Aging		±1.0/year max @ +25°C	Ppm				
	Input Voltage	V_{dd}	+3.0 ±5%	V				
	Input Current	l _{dd}	2 Max.	mA				
	Output Type		Clipped Sinewave					
	Output Level		0.8 pk-pk min.	V				
	Output Load		10K 10pF					
<u>e</u>	Frequency Tuning		±5 to ±15 over control voltage	ppm (M6028				
ш			range	only)				
	Control Voltage	V _c	1.5 ±1.0	V (M6028 only)				
	Phase Noise (Typical)	10 Hz	100 Hz 1 kHz 10 kHz	dBc/Hz				
		-80	-110 -130 -145					
	Mechanical Shock		Per MIL-STD-202, Method 213, Condition C					
nta	Vibration		Per MIL-STD-202, Method 201 & 204					
Ĕ	Max Soldering Conditions		See Solder Profile, Figure 1					
Environmental			Per MIL-STD-202, Method 112 (1x10 ⁻⁸ atm.cc/s of					
	Hermeticity		helium)					
Ш	Solderability		Per EIAJ-STD-002					
Clin	nned Sinewaye I gad _ see load circuit diagram #7							

Clipped Sinewave Load – see load circuit diagram #7

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.





