

XO3030 Series

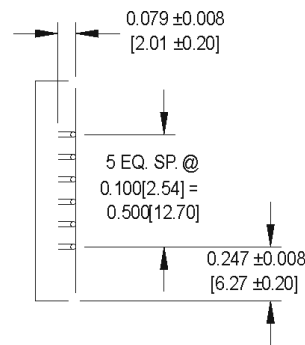
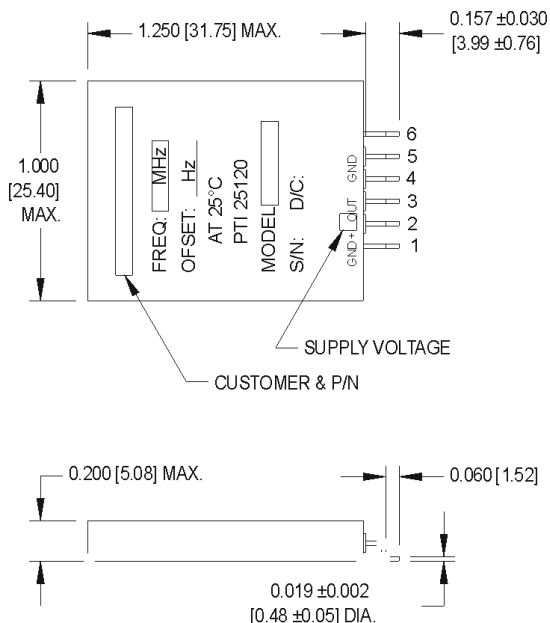
1x1.25 inch, 3.3 & 5.0 Volt, HCMOS/Sinewave, TCXO

- Low power and high stability
- Wide frequency range

Model	Frequency	Temperature	Temperature	Aging	Output	Supply
XO3030	MHz	Range (°C)	Stability	First Year		Voltage
XO3030	20	-30 to +70	±0.75 ppm	±1.0 ppm max	Sinewave 0.5V pk-pk into 1 KΩ Load	5V ±0.25 V
Options	10 to 100	See Table		Frequency Dependent	Sinewave 0dBm ±3dB into 50 Ω Load	3.3V to 15V
	10 to 100	See Table		Frequency Dependent	HCMOS 10 pF Load	3.3V to 15V

Additional Specifications	
Aging over ten years	±3.0 ppm max
Current	
Sinewave	As low as 2 mA
Frequency adjust	
Method	External 10k pot
Range	±5 ppm
Output Signal Type	Sine wave Logic
Level	0.5 V pk-pk HCMOS
Load	1 kΩ 10pF
Phase Noise at 20 MHz	
10 Hz	-85 dBc/Hz
100 Hz	-115 dBc/Hz
1 kHz	-135 dBc/Hz
10 kHz	-145 dBc/Hz

Optional Temperature Ranges and Frequency Stabilities				
Range °(C)	±1	±0.75	±.50	±0.25
+15 to +30	√	√	√	√
0 to +50	√	√	√	√
0 to +70	√	√	√	
-20 to +70	√	√	√	
-40 to +75	√	√		
-55 to +85	√			



- PIN CONNECTIONS:**
1. GROUND (TO EXTERNAL 10K POT)
 2. V+
 3. RF OUTPUT
 4. REFERENCE (TO EXT. 10K POT.)
 5. FREQ. ADJ. (W/PER ARM OF EXT.)
 6. GROUND
- TERMINAL NUMBERS SHOWN FOR

All dimensions in inches [mm].

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Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.