MXO5030 Series

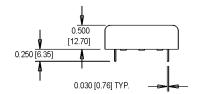
1.5x1.5 in., 12.0 Volt, HCMOS/Sinewave, OCXO

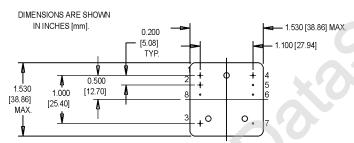


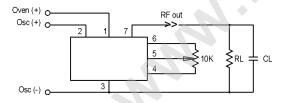
Patasheethu.com

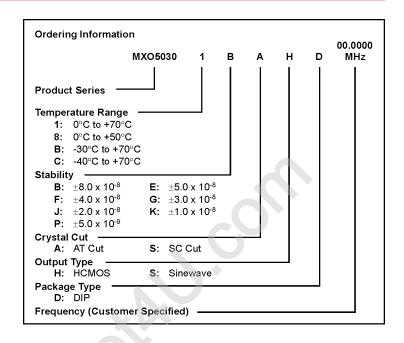


- Low phase noise and aging
- Ideal for Stratum 3E, PCS base stations, Synthesizers, and test equipment









Pin Connections

PIN	FUNCTION				
1	Oven Supply (+)				
2	Oscillator Supply (+)				
3	Case Ground & Supply Return				
4	Case Ground				
5	Frequency Adjust				
6	Vref				
7	RF Output				
8	Oven Ready (Optional)				

M-tron 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. No rights under any patent accompany the sale of such product.

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1.5x1.5 in., 12.0 Volt, HCMOS/Sinewave, OCXO





	PARAMETER	SC-cut	AT-cut			
	Frequency Range	10 MHz				
	Temperature Range	0°C to +70°C				
	Temperature Stability	(See Ordering Information)				
	Supply Voltage	+12 Vdc ±5% osc (+14 V ±1.5 V oven)				
Electrical Specifications	Aging Over 1 Year	±5.0 x 10 ⁻⁸				
	Aging Per Day	±1.0 x 10 ⁻⁹				
	Warm-up Power	8 watts max				
	Power @ 25°C steady state	1.5 watt max				
	Warm-up Time @ 25°C	to within ±0.01 ppm of Fo in 5 min.				
	External Tuning Voltage	> ±1 ppm < ±3 ppm				
	Tuning Voltage Range	0 to 7 volt	s			
tri	Slope	Positive				
<u>iii</u>	Phase Noise					
"	1 Hz	-90 dBc/Hz	-80 dBc/Hz			
	10 Hz	-120 dBc/Hz	-105 dBc/Hz			
	100 Hz	-130 dBc/Hz	-135 dBc/Hz			
	1 kHz	-143 dBc/Hz	-145 dBc/Hz			
	10 kHz	-152 dBc/Hz	-152 dBc/Hz			
	Sinewave Version					
	Load	50 Ω				
	Output Level	+3 dBm ±3 dBm				
	HCMOS Version					
	Duty Cycle	40/60				
	Load	2 Gates				

/ -	В	E	F	G	J	к	Р
1	O	Α	С	O	S	S	Ν
8	O	C	С	Α	C	O	S
В	С	Α	С	S	N	N	N
С	Α	С	S	N	N	N	N

 $A = AT \ Cut \\ C = Consult \ Factory \\ N = Not \ Available$

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