

Specification for a Sine Output Thru-Hole OCXO MtronPTI P/N: XO5081-062

Electrical Specifications:

			25°C, V _s = +12				
Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions	
Nominal Frequency	Fo		100.00000	-	MHz		
			uency Stabilit		1		
vs. Temperature Range		-0.2		+0.2	ppm	0°C to +70°C	
Aging/Year		-1		+1	ppm	After 30-days operation	
Aging Over 10-years		-10		+10			
<u> </u>			RF Output	0.			
Output Type				Sinewave			
Output Load			50		Ω	±10%	
Level	Vон	+7			dBm		
		Frequ	ency Adjustm				
Tuning Method		External 10KΩ Potentiometer					
Tuning Slope			1	Positive		1	
Tuning Voltage	VTune	0	5.0	+10	VDC	Externally Sourced	
Modulation Bandwidth				1	kHz		
Tuning Range		-10		+10	ppm	Sufficient for 10-years correction all causes	
		Oth	er Parameter	s		·	
				-60		@ 1Hz Offset	
SSR Dhase Noise				-90	dBc/Hz	@ 10Hz Offset	
SSB Phase Noise (under static conditions)				-120		@ 100Hz Offset	
				-145		@ 1kHz Offset	
				-165		@ 10kHz Offset	
				-165		@ 100kHz Offset	
				-165		@ 1MHz Offset	
Warm-up Time	ΔF/F			3	Minutes	To be within ±100ppb @ 25°C of the frequency @ 1-hour after power on	
			e & Power Co				
Supply Voltage	Vs	11.4	12.0	12.6	VDC		
Power Consumption				1.8	Watts	Steady state @ 25°C, in still air	
-				4.8	Watts	In still air @ turn on	

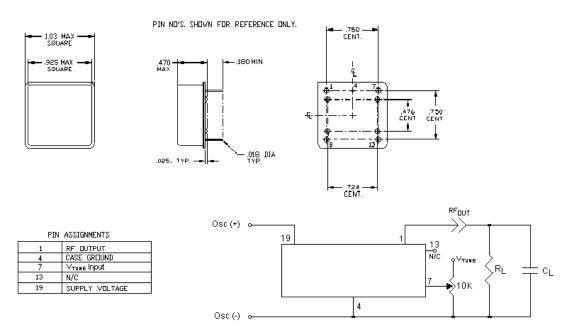


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Environmental Conditions:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Operating Temperature	OTR	0		+70	°C	
Storage Temperature	STR	-40		+85	°C	
Vibration (non-operating)	5g, 10Hz to	5g, 10Hz to 200Hz				
Shock (non-operating)	75g 3 <i>msec ±</i> 1 <i>msec</i>					
Humidity	98% non-condensing @ 25°C					
Solderability	Per EIAJ-STD-002					

Mechanical and Pinout Information:



Data Sheet Revision Table:

Date	Rev.	Orig.	Details of Revision
11/22/11	1	BRM	Updated Frequency Adjustment Specification & Outline Drawing to Reflect 10KΩ Potentiometer Tuning
11/16/11	0	BRM	Original Release.