



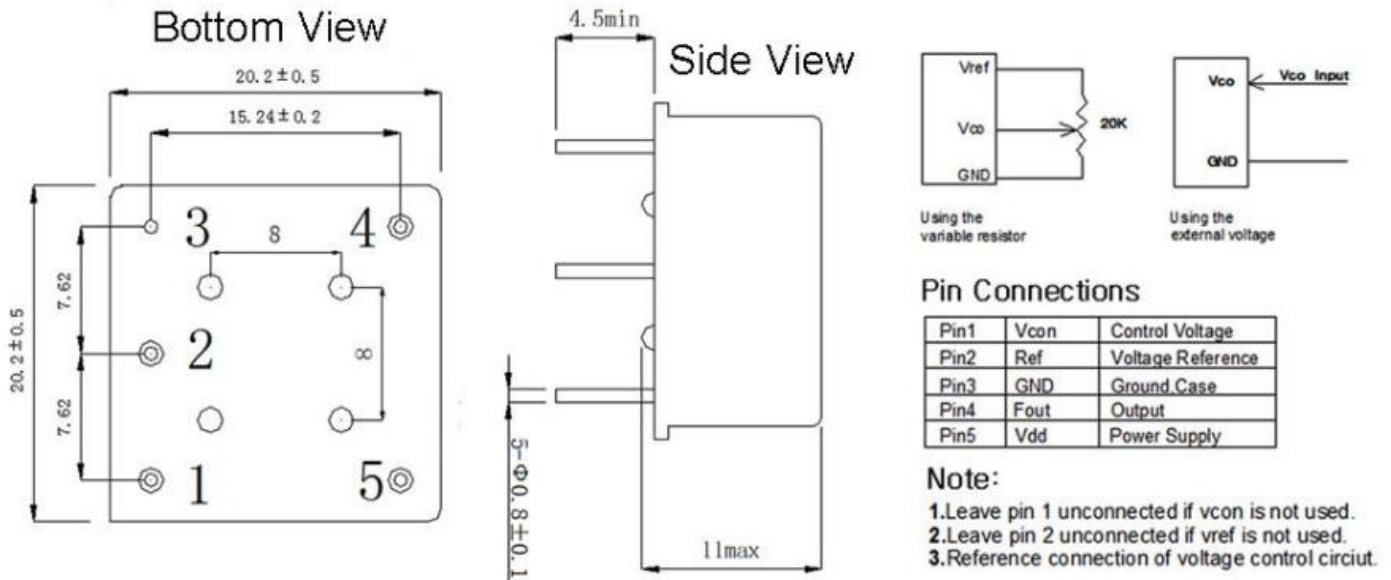
Oven Controlled Crystal Oscillator

Specifications:

Parameter		Value			unit	conditions
		Min.	Typ.	Max.		
Frequency Range		0.032768	100	120	MHz	
Supply Voltage			12.0		V	
			5.0		V	
Power Consumption				4.5	W	During Warming-up
				1.5	W	Steady at +25℃ & still air
Initial Frequency Tolerance		±100		±300	ppb	At shipment, nominal EFC, +25℃
Freq. Stability		±50		±100	ppb	-20℃ ~ +70℃
		±50		±100	ppb	-40℃ ~ +70℃
		±100		±200	ppb	-40℃ ~ +85℃
		±200		±500	ppb	-55℃ ~ +85℃
Sine	Output Level	7			dBm	
	Harmonious			-30	dBc	
	Spurious			-70	dBc	
	Load		50		Ω	
LVTTL	VOH	2.4			V	LVTTL Output, Load=15pF
	VOL			0.4	V	LVTTL Output, Load=15pF
	Duty Cycle	45		55	%	(VOH- VOL)/2
	Rise/Fall edge			6	nS	LVTTL Output, Load=15pF
	Load		15		pF	
Warm-up Time					5	Min
Supply Sensitivity				±5	ppb	Vcc±5%
Load Sensitivity				±10	ppb	Load±5%
Aging per Day				±10	ppb	After 30 days of operation
Aging per year				±500	ppb	After 30 days of operation
Control Voltage Range		0		3	V	
		0		5	V	
Frequency Turning Range		±0.5		±2.0	ppm	
Tuning Slope		Positive				
SSB Phase Noise @ 10MHz		-95			dBc/Hz	Offset 10Hz
		-125				Offset 100Hz
		-155				Offset 1kHz
		-165				Offset 10kHz
		-170				Offset 100kHz
Operating Temperature Range		-55℃~+85℃		Storage Temperature Range		-55℃~+125℃

Outline Dimension & Pin Connections

Unit : mm



Ordering Guide

