

OC01, OC02

- High stability oven controlled crystal oscillator;
- Small Size;
- Good Performance with Low Cost;



Table1 Specifications

Parameter	OC01	Oc02
Frequency Range	5~40MHz	
Standard Frequency	5, 10, 8.192, 12, 13, 16.384, 20, 26, 38.88MHz	
Frequency	vs Operation Temp.Range	
Stability	vs Vcc Change $\pm 5\%$	
	vs Load Change $\pm 10\%$	
	vs Aging @25°C after 30 days operation	
Operation Temperature Range	-30~+70°C, Code "P"	-10~+55°C, Code "L"
Supply Voltage	5V, 9V, 12V,(option code 5, 9, 12,)	
Current Consumption (@12Vcc)	350mA max at Turn-on, 120mA max after warm up at 25°C	
Short Term Stability(Allen Std Deviation)	$\pm 3 \times 10^{-11}/s$	
Output	See Table 2	
SSB Phase Noise (10MHz, typical)	-105dBc/Hz@10Hz	-100dBc/Hz@10Hz
	-120dBc/Hz@100Hz	-120dBc/Hz@100Hz
	-140dBc/Hz@1KHz	-135dBc/Hz@1KHz
	-145dBc/Hz@10KHz	-145dBc/Hz@10KHz
Warm-up Time@25°C Typical	$\pm 5 \times 10^{-8}$ after 10 minutes	
Frequency Adjustment (from OV to Vref.)	$\pm 7 \times 10^{-7}$	$\pm 2ppm$
Package	36A	
Storage Temperature Range	-40~+85°C	

Table2 Output Option Code

Sine	Wave Form	Sine, 7dBm	Code is "S"
	Load	50 Ω	
	Harmonic Suppression	-30dB	
	Non-Harmonic Suppression	-70dBc	
TTL/CMOS		4TTL,CMOS,HCMOS	Code is "T"

OCXOs

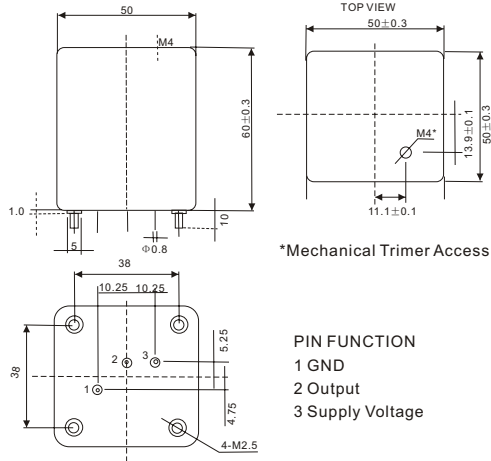
Part Numbering Key

SERIES	SUPPLY VOLTAGE	OUTPUT FORM	FREQ.STABILITY vs. TEMP	PACKAGE CODE	FREQUENCY
OC01	5=5V	S=Sine	See Table1	36A	
OC02	9=9V 12=12V	T=TTL/CMOS			
OB01	12	S	P1.8	38A	10.000MHz

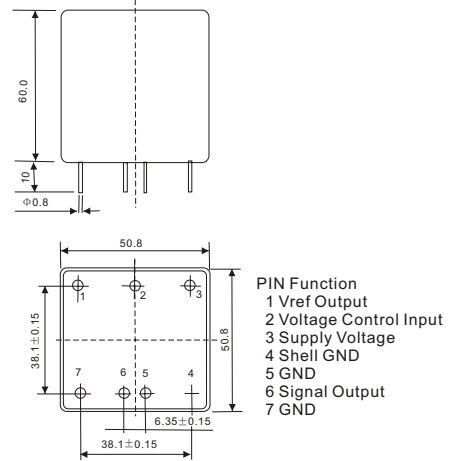
Sample Part Numbers
OC01-12S-P5.8-36A
@10.000MHz

About OCXO

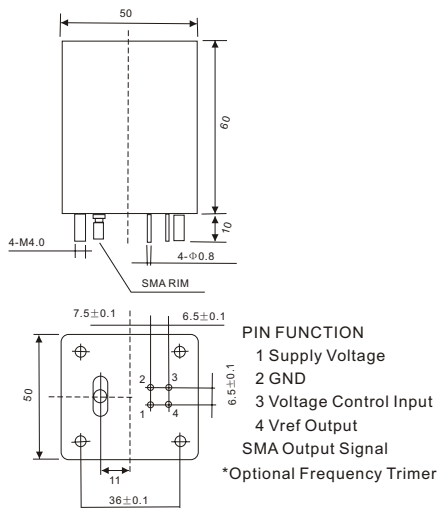
Package 50A Unit:mm



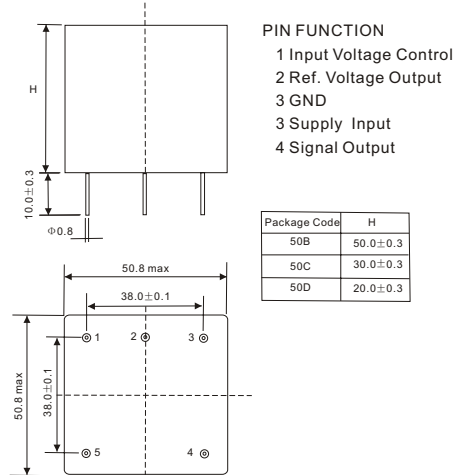
Package 50E Unit:mm



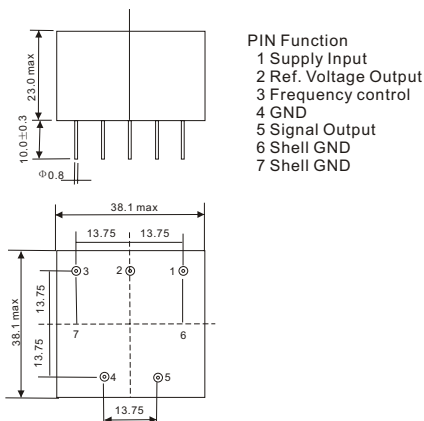
Package 50A1 Unit:mm



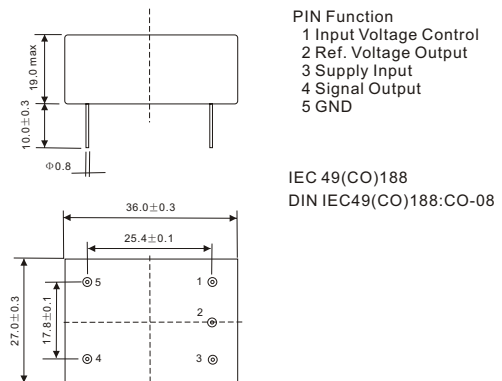
Package 50B,50C,50D Unit:mm



Package 38A Unit:mm

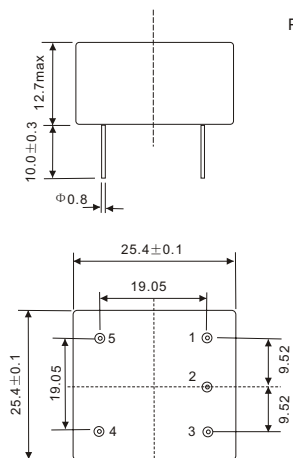


Package 36A Unit:mm



About OCXO

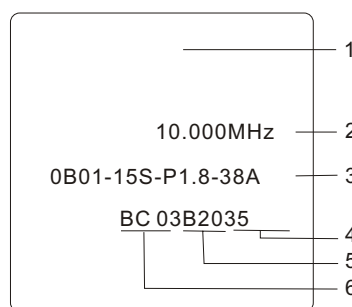
Package 25A



- PIN Function
- 1 Input Voltage Control
 - 2 Ref. Voltage Output
 - 3 Supply Input
 - 4 Signal Output
 - 5 GND

Marking

- 1. Logo;
- 2. Frequency;
- 3. Part Number;
- 4. Product ID;
- 5. Year + Month;
- 6. Company Name;

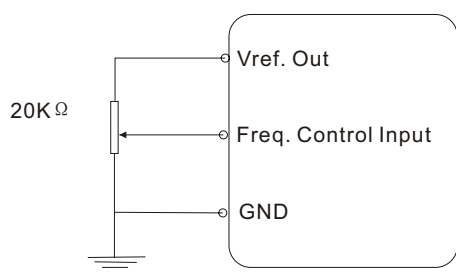


1.Environmental Specification.

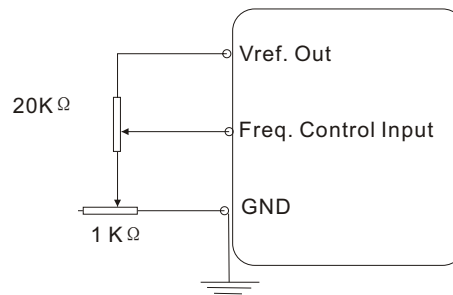
- Shock: 50g for 11ms, 3 shocks in each direction of main axis.
- Vibration: 10 to 500Hz, 10g

2.About Frequency Adjustment.

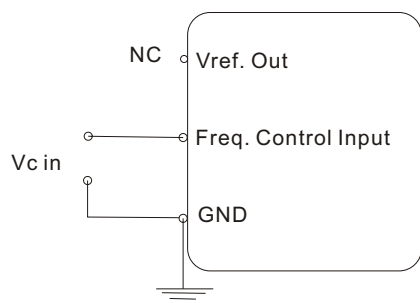
Manual Freq. Adjust Connection



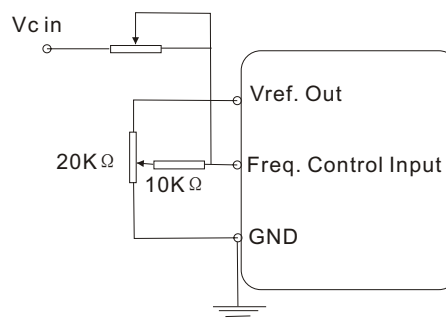
Fine Manual Freq. Adjust Connection



External Freq. Control Voltage Connection



Freq. Control Voltage and Manual Adjust



ORDER SHEET



Customer OCXO Requirements Form
用户定制产品要求表

*Please check Part Number first and standard product ◆Minimum specification information required for pricing
* 请先查看“产品编号”并尽量选用标准产品 ◆必须填写的指标要求，否则无法报价

Frequency 工作频率	◆		MHz	
Output Waveform 输出波形	◆			
Output Level/Load 输出电平/负载	◆			
Harmonics/Non-Harmonics 谐波/非谐波抑制				
Tr/Ts 上升/下降时间(Square Wave, 方波)			nS	
Duty Cycle 占空比(Square Wave, 方波)			%	
Supply Voltage 电源电压	◆		Vdc	
Power		Warm-up 预热时	mA or Watts	
Consumption 电流消耗		Stabilized@25℃ 稳定时	mA or Watts	
Warm up Time 预热时间			Minutes	
Operation Temperature Range 工作温度范围	◆		℃	
Phase Noise 相位噪声		10Hz	dBc/Hz	
		100Hz	dBc/Hz	
		1KHz	dBc/Hz	
		10KHz	dBc/Hz	
Short Time Stability 短稳				
Frequency		vs Suooly Voltage Change		
Stability		vs Load Change		
频率稳定度	◆	vs Operation Temperature		
Aging 老化率		After 7 days on power	/Day	
	◆	After 30 days on power	/Year	
Frequency Adjust 频率微调 (选择1种)	Electrical <input type="checkbox"/> 电调 Trimmer <input type="checkbox"/> 内部机械	Range 范围	◆	± ppm
		Linearity 线性度		%
		Slope 极性		Positive/negative
		Control Voltage		Vdc
Package Size 外形尺寸与引线定义 (如果是非标准尺寸, 请附图纸)	◆			
Marking 产品印字				

Additional Notes 其他说明 (如果是标准产品, 请在此填写产品编号)

Name 姓名		Job Title 职务	
Company Name 公司			
Adress 地址			Postcode 邮编
Telephone 电话		Fax 传真	
E-Mail		HTTP://	