

High Precision 10MHZ OCXO frequency standard by PIEZO

SC-CUT

1. OUTPUT

Frequency	10.000 MHz
Wave form	square wave
Level	2 Vp-p $\pm 10\%$ into 50 W
Load	50 W $\pm 5\%$
Harmonics	< -25 dBc
Spurious	< -60 dBc

2. STABILITY

Ambient	< $\pm 2 \times 10^{-9}$ from -30°C to +60°C (referenced to +25°C)
Aging	
a. Daily	
i. After 30 days	< $\pm 1 \times 10^{-9}$
ii. After 90 days	< $\pm 5 \times 10^{-10}$
b. Yearly	< $\pm 1.5 \times 10^{-7}$
c. 10 years	< $\pm 4 \times 10^{-7}$
Voltage	< $\pm 5 \times 10^{-10} / \pm 2\%$ change
Short term	< $1 \times 10^{-10} / \text{second}$ root Allan variance
Load	< $\pm 1 \times 10^{-9} / \pm 5\%$ change
Phase noise	
a. @ 10 Hz	< -105 dBc
b. @ 100 Hz	< -125 dBc
c. @ 1 kHz	< -145 dBc

3. INPUT POWER

Voltage	+24 VDC
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PIEZOTM
CRYSTAL COMPANY
CARLISLE, PA

MODEL 2940210

FREQ 10.000MHZ

S/N 3315

105242-003

9702





Thank you 2VO faculty, the OSC's information? 该振荡器的具体指标您测试过吗? The specific targets of the oscillator you test before? 另外, 我理解您贴的引脚定义分为为: GND 地, VC 控制电压输入, VR 为参考电压输出, 两个 24VCC 想必是内部一个供给加热器的, 一个是供给 OSC 电路的电源, OUT 为 10MHZ 输出, 我这样理解对吗, 谢谢! In addition, I understand your definition of paste into the pin: GND ground, VC control voltage input, VR is the reference voltage output, the two 24VCC must have a supply of the internal heater, and one is the power supply circuit OSC, OUT is 10MHZ output, I do understand that right, thank you!

