

OCCO

I²C programmable
Control

APPLICATIONS

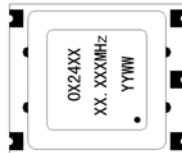
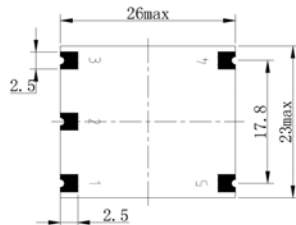
- ▶ 10MHz standard
- ▶ Low power consumption
- ▶ Fast warm-up
- ▶ Low phase noise

ELECTRICAL SPECIFICATIONS

Frequency range	10.000MHz to 40.000MHz	
Frequency stability		
Vc.Temperature	$\pm 2 \times 10^{-8}$	-20°C~+70°C
Aging/day	$\pm 5 \times 10^{-10}$	
Aging/year	$\pm 5 \times 10^{-8}$	
Initial accuracy	$\pm 1 \times 10^{-8}$	Set at the time of shipment, @25°C
	$\pm 3 \times 10^{-8}$	In 90 days, After power on 30 min, @25°C
Warm up	$\pm 1 \times 10^{-7}$	After power on 2min Vs. nominal freq.
vs. Power supply	$\pm 2 \times 10^{-9}$	Vcc±5%
vs. Load	$\pm 2 \times 10^{-9}$	Load±10%
Short term(1S)	$\pm 2 \times 10^{-10}$ / S	After 30 minutes
Phase noise	-85dBc/Hz	@1Hz
	-115dBc/Hz	@10Hz
	-135dBc/Hz	@100Hz
	-140dBc/Hz	@1KHz
	-155dBc/Hz	@10KHz
Voltage Adjusted		
I2c programmable trim	± 1 ppm typical	
Frequency pulling rangg	$\pm (0.5 \sim 1.0) \times 10^{-7}$	
Linearity	---	
Input impedance	---	
Output		
Waveform	LVC MOS	
Level		H>2.8V ,L<0.4V
Load	H≥2.8V,L≤0.4V	15Pf//50Ω max.
Duty cycle	45%~55%	.
Rise/Fall time	≤5nS	10%~90%
Reference Voltage		
Input Power		
Supply voltage	+5x (1±5%)V	
Warm-up current	600mA	@25°C
Supply voltage	220mA	@25°C
Others		
Storage temperature	-40°C ~85~°C	
Outline(Max)	26x23x12mm	

PART NUMBERING GUIDE

■ OUTLINE: (mm)



Pin No.	Description
1	Vcc
2	Output
3	GND
4	Data
5	Clock

Note: The black mark corresponds to the direction of the pin # 1, Make sure the pin functions first

Specifications subjects to change without notice & If you need other specifications, Contact our factory.