

BOWEI OX20 Oscillator Datasheet

<http://www.manuallib.com/bowei/ox20-oscillator-datasheet.html>

Features

Small size

Standard freq 10MHz

SC cut, AT cut

Any frequency available

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<http://www.manuallib.com>

Features

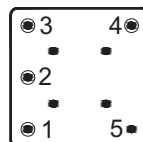
- Small size
- Standard freq 10MHz
- SC cut, AT cut
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MP2020

Pin function

- 1: Frequency control
- 2: Reference voltage output or NC
- 3: Power supply
- 4: RF output
- 5: Ground



Electrical specification

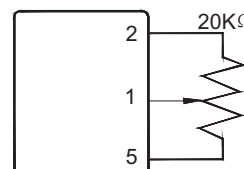
Parameter		Characteristic		
Power supply		+5V± 5%(+ 3.3V)		
Frequency range		10~40MHz		
Frequency stability		Vs. temperature	± 0.05~±0.5ppm(see the table)	
		Vs. supply changes	± 0.005ppm(Max)/Vdc ± 5%	
		Vs. Ageing	± 0.5ppm/1 st year (Max)	
output	HCMOS /TTL	Risetime	≤ 6ns	Load:15PF
		Falltime	≤ 6ns	
		Duty cycle	45%~55%	
Phase noise 10MHz Typical		100Hz	-125dBc/Hz	
		1KHz	-145dBc/Hz	
		10KHz	-150dBc/Hz	
		100KHz	-150dBc/Hz	
Input power(turn-on/steady)		3W/1W(Max) @25℃		
Operation temperature range		Different range(see the table)		
Storage temperature range		-55~+85		
Frequency adjustment		±0.5ppm(Min)		
Dimension		20mm*20mm*10mm		

Frequency temperatureStability (ppm)

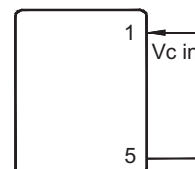
	±0.01	±0.02	±0.05	±0.1	±0.2
0~50℃	LP	KP	JP	HP	GP
-10~60℃	LQ	KQ	JQ	HQ	GQ
-20~70℃	LR	KR	JR	HR	GR
-30~70℃		KS	JS	HS	GS
-40~70℃		KT	JT	HT	GT
-40~85℃					GU
-55~85℃					

Contact us

Outside frequency adjustment



with variable-resistance

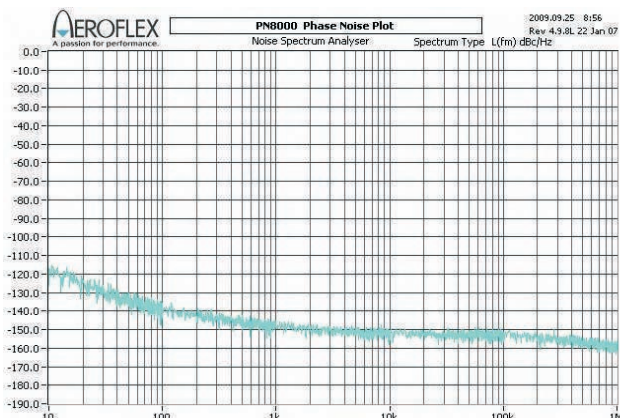


with control voltage

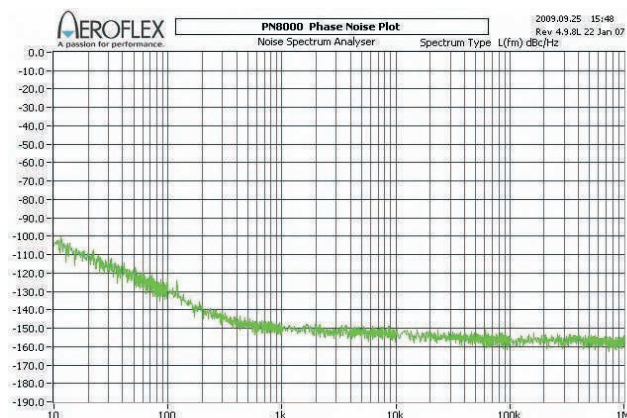
Absolute maximum ratings

Supply voltage--- + 6V (+ 4V)

Storage temperature--- + 105



Phase noise vs Offset frequency @SC10MHz/5V



Phase noise vs Offset frequency@SC40MHz/5V