

BOWEI OX25x OXM25 Oscillator Datasheet

<http://www.manuallib.com/bowei/ox25x-oxm25-oscillator-datasheet.html>

Features

SC cut 10120MHz

Any frequency available

High stable output 5×10^{-9}

Standard freq 10MHz100MHz

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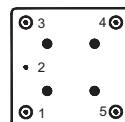
<http://www.manuallib.com>

Features

- High stable output $\sim 5 \times 10^{-9}$
- Standard freq 10MHz, 100MHz
- SC cut(10~120MHz)
- Any frequency available



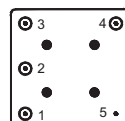
MP25x/M25



MP253

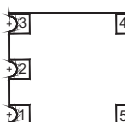
Pin function

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



MP2525

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



M25

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

Electrical specification

Parameter		Characteristic	
Power supply		$+12V \pm 5\%$ (option $+5V, +3.3V$)	
Frequency range		10~140MHz	
Frequency stability	Vs. temperature	$\pm 5 \sim \pm 200$ ppb(see the table) $\pm 10 \sim \pm 200$ ppb(OXM25)	
	Vs. supply changes	± 2 ppb (Max) /Vdc $\pm 5\%$	
	Vs. Ageing	$\pm 0.05 \sim 0.5$ ppm/1 st year(Max)	
Output	Sinewave	Level	$+7$ dBm/50 Ω
		Harmonics	≤ -20 dBc
		Non-Harmonic Suppression	≤ -70 dBc
	HCMOS/TTL (~50MHz)	Risetime	≤ 6 ns
		Falltime	≤ 6 ns
		Duty cycle	45%~55%
Phase noise 10MHz Typical	100Hz	-140 dBc/Hz	
	1KHz	-150 dBc/Hz	
	100KHz	-155 dBc/Hz	
Input power(turn-on/steady)		3W/1.5W(Max) @25°C	
Operation temperature range		Different range(see the table)	
Storage temperature range		-55~+85°C	
Frequency adjustment		$\pm 0.5 \sim \pm 2$ ppm	
Dimension		See MP25x、M25's outline drawing	

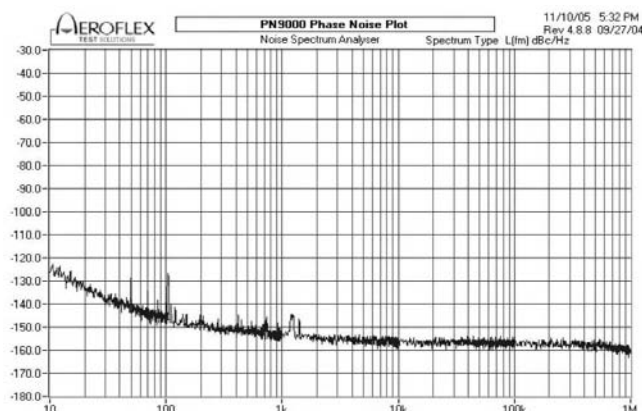
Frequency temperature Stability (ppm)

	± 5	± 10	± 20	± 50	± 100	± 200
0~50°C	MP	LP	KP	JP	HP	GP
-10~60°C	MQ	LQ	KQ	JQ	HQ	GQ
-20~70°C	MR*	LR	KR	JR	HR	GR
-30~70°C		LS*	KS	JS	HS	GS
-40~70°C			KT*	JT	HT	GT
-40~85°C				JU*	HU	GU
-55~85°C					HW*	GW

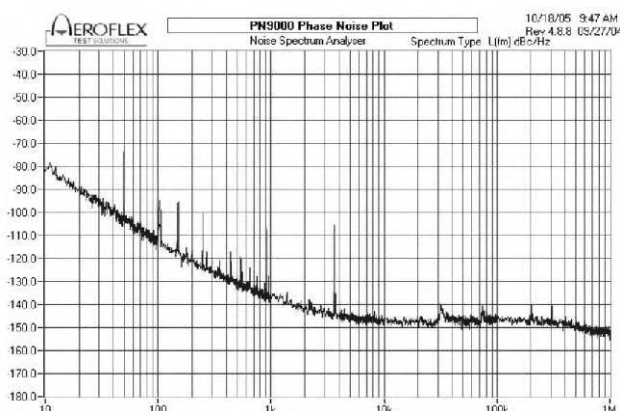
Contact us

Absolute maximum ratings

Supply voltage---+15V(+6V,+4V)
Storage temperature--- + 105



Phase noise vs Offset frequency @SC10MHz/12V



Phase noise vs Offset frequency @AT140MHz/12V

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