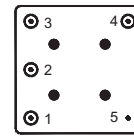


Features

- High stable output, wide temperature range
- Standard freq 10MHz, 100MHz
- SCut (10~120MHz)
- Any frequency available



MP3030



Pin function

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

Electrical specification

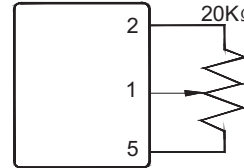
Parameter		Characteristic		
Power supply		+12V±5% (option+5V)		
Frequency range		10~140MHz		
Frequency stability		Vs. temperature	±5~±200ppb(see the table)	
		Vs. supply changes	±2ppb (Max) /Vdc±5%	
		Vs. Ageing	±0.05~0.5ppm/1 st year(Max)	
Output	Sinewave	Level	+7dBm/50 Ω	
		Harmonics	≤-20dBc	
		Non-Harmonic Suppression	≤-70dBc	
	HCMOS/ TTL (~50MHz)	Risetime	≤6ns	Load:15PF
		Falltime	≤6ns	
		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)		3.6W/1.8W(Max) @25℃		
Operation temperature range		Different range(see the table)		
Storage temperature range		-55~+85℃		
Frequency adjustment		±0.5~±2ppm		
Dimension		30mm*30mm*12.7mm		

Frequency temperature Stability (ppm)

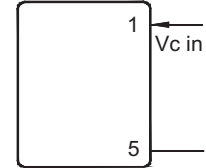
	±5	±10	±20	±50	±100	±200
0~50°C	MP	LP	KP	JP	HP	GP
-10~60°C	MQ	LQ	KQ	JQ	HQ	GQ
-20~70°C	MR*	LR	KR	JR	HR	GR
-30~70°C		LS*	KS	JS	HS	GS
-40~70°C			KT*	JT	HT	GT
-40~85°C				JU*	HU	GU
-55~85°C					HW*	GW

Contact us

Outside frequency adjustment



with variable-resistance

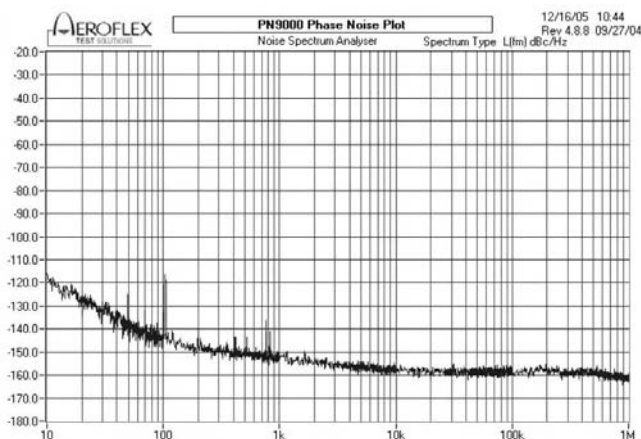


with control voltage

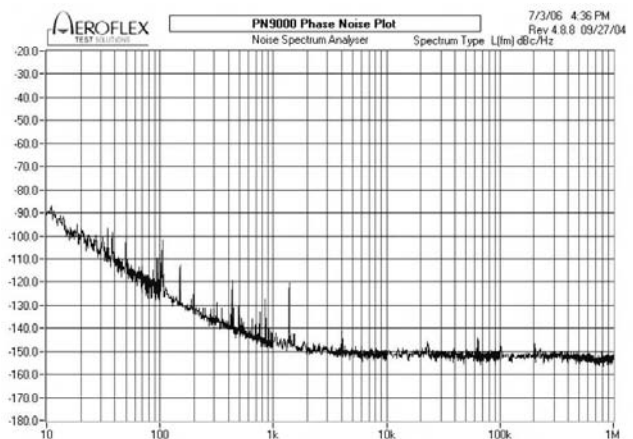
Absolute maximum ratings

Supply voltage---+15V(+6V)

Storage temperature---+105°C



Phase noise vs Offset frequency @SC10MHz/12V



Phase noise vs Offset frequency @AT70MHz/12V