



## PLL Product Specification

**Model:** PNP-1050-L22-G      **Rev:** A      **Date:** 8/11/2010  
**Customer:** RF MICRO DEVICES      **AppNote:**  
**Operating Temperature Range:** ( -40 ° to 85 ° C)

**RoHS Compliant**

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1000		1100	MHz	X	
Step Size -	25		10000	kHz	X	
Output Power -	-2	0	2	dBm	X	
Output Phase Noise:						
1 kHz		-93	-88	dBc/Hz		
10 kHz		-108	-103	dBc/Hz	X	
100 kHz		-130	-125	dBc/Hz		
1000 kHz		-150	-145	dBc/Hz		
Power Supply:						
	4.9	5	5.1	Volts	X	V1
	2.7	3	3.3	Volts	X	V2
Supply Current:						
		35	40	mA	X	I1
		25	35	mA	X	I2
Spurious Product:						
		-70	-55	dBc		STEP = 62.5kHz
		-70	-60	dBc		STEP = 250kHz
		-80	-70	dBc		STEP = 10MHz
Reference Feedthrough -		-80	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-18	-12	dBc		
Ref Osc Signal:						
Frequency	10	20	250	MHz		
Amplitude	0		3.3	Vp-p		DC Coupled

### Package Information

Package Type:	L22 (0.5 x 0.5 x 0.18 inches)	Drawing Number:	UP-L22
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### Comments

**X** Indicates parameter to be tested 100% in production

Specification test conditions V1=5.0V, V2=3.0V, REF=20MHz

Reference Input Level -5dBm min / +5dBm max - AC Coupled

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

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