



PLL Product Specification

Model: PNP-2050-L22-G **Rev:** **Date:** 4/5/2010
Customer: RF MICRO DEVICES **AppNote:**
Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2000		2100	MHz	X	
Step Size -	25		10000	kHz	X	
Output Power -	-2	0	2	dBm	X	
Output Phase Noise:						
1 kHz		-87	-82	dBc/Hz		
10 kHz		-104	-99	dBc/Hz	X	
100 kHz		-127	-122	dBc/Hz		
1000 kHz		-147	-142	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:						
10000 kHz		-80	-70	dBc		STEP=10000kHz
250 kHz		-70	-60	dBc		STEP=250kHz
62.5 kHz		-70	-55	dBc		STEP=62.5kHz
Reference Feedthrough -		-80	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-18	-12	dBc	X	
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

Reference Input Level -5dBm min / +5dBm max - AC coupled.

Specification test conditions, V1 = 5V, V2 = 3V, REF = 20MHz

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

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