



PLL Product Specification

Model: PNP-1650-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 -	1600		1700	MHz	X	
Step Size -	25		10000	kHz	X	
Output Power -	-2	0	2	dBm	X	
Output Phase Noise:						
1 kHz		-90	-85	dBc/Hz		
10 kHz		-106	-101	dBc/Hz	X	
100 kHz		-126	-121	dBc/Hz		
1000 kHz		-146	-141	dBc/Hz		
Power Supply:						
	4.9	5	5.1	Volts	X	V1
	2.7	3	3.3	Volts	X	V2
Supply Current:						
		30	40	mA	X	I1
		25	35	mA	X	I2
Spurious Product:						
10 MHz		-80	-70	dBc		STEP=10MHz
250 kHz		-70	-60	dBc		STEP=250
62.5 kHz		-70	-55	dBc		STEP=62.5
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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