



PLL Product Specification

Model: PNP-850-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 -	800		900	MHz	X	
Step Size -	25		10000	kHz	X	
Output Power -	-2	0	2	dBm	X	
Output Phase Noise:						
1 kHz		-92	-87	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:						
		30	35	mA	X	I1
		25	30	mA	X	I2
Spurious Product:						
		-70	-60	dBc		Step = 100kHz
		-75	-65	dBc		Step = 1000kHz
		-60	-50	dBc		Step = 25kHz
		-65	-55	dBc		Step = 50kHz
Reference Feedthrough -		-70	-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-15	-10	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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