



## PLL Product Specification

**Model:** SPLL-1338      **Rev:** A      **Date:** 4/16/2004  
**Customer:** ROCKWELL COLLINS      **AppNote:** 113 Opt 20700  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2150		2400	MHz	X	
Step Size -		500		kHz	X	
Settling Time - To within 1.0 kHz		1	2	mSec		
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
1 kHz		-80	-75	dBc/Hz		
10 kHz		-80	-75	dBc/Hz		
100 kHz		-110	-104	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		25	35	mA	X	
Spurious Product - 1000 kHz		-70	-65	dBc	X	
Reference Feedthrough -		-80	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-16	-10	dBc	X	
Ref Osc Signal:						
Frequency	4	10	40	MHz		
Amplitude	1		4	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		10		k $\Omega$		
Output Impedance -		50		$\Omega$		

### Package Information

Package Type:	PLL400 (0.6 x 0.6 x 0.14 inches)	Drawing Number:	60080
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### Comments

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

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

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