

## PLL Product Specification

**Model:** PLL401-2450      **Rev:** A      **Date:** 8/12/2002  
**Customer:** VARI-L COMPANY      **AppNote:** 108  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2400		2500	MHz	X	
Step Size -		1000		kHz	X	
Settling Time -		4	8	mSec		To within 1.5K Hz
Output Power -	-6	-3	-1	dBm	X	
Output Phase Noise:						
1 kHz		-80	-75	dBc/Hz		
10 kHz		-83	-78	dBc/Hz	X	
100 kHz		-105	-100	dBc/Hz		
Power Supply - VCO	2.85	3	3.15	Volts		
Supply Current - VCO		18	25	mA	X	
Spurious Product -		-70	-60	dBc	X	
Reference Feedthrough -			-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Ref Osc Signal:						
Frequency	4		20	MHz		
Amplitude	0.4	1	2.2	Vp-p		
Phase Noise - 1 kHz			-120	dBc/Hz		
Input Impedance		10		kΩ		
Output Impedance -		50		Ω		

### Package Information

Package Type:	PLL400	Drawing Number:	60080
Dimensions:	0.6 x 0.6 x 0.14 inches	Drawing Revision:	A

### Comments

X Indicates parameter to be tested 100% in production

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