

PLL Product Specification

Model: PLL401-2442 **Rev:** B **Date:** 4/17/2003
Customer: VARI-L COMPANY **AppNote:** 108
Operating Temperature Range: (-35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2400	2442	2484	MHz	X	
Step Size -		1000		kHz	X	
Settling Time - To within 1.0 kHz		1	2	mSec		
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-85	-78	dBc/Hz		
100 kHz		-115	-109	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		15	18	mA	X	
Spurious Product - 1000 kHz		-70	-60	dBc	X	
Reference Feedthrough -		-80	-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	0.4		2	Vp-p		
Phase Noise - 1 kHz		-145		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:	B

Comments

X Indicates parameter to be tested 100% in production

4895 Peoria Street Denver, CO 80239 tel: 303.371.1560 fax: 303.371.0845 sales @ vari-l.com	Our Products Include:	PLL Synthesizer Modules	Narrow-Band Voltage Controlled Oscillators	ISO 9001 Certified
		Wide-Band Voltage Controlled Oscillators	Couplers	
Contact the Vari-L Sales Department for custom solutions to your RF and microwave component assembly needs.				
Vari-L Company, Inc. www.vari-l.com				