

PLL Product Specification

Model: PLL401-2050 **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 -	2000	2050	2100	MHz	X	
Step Size -		1000		kHz	X	
Settling Time - To within 1.0 kHz		2	8	mSec		
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
1 kHz		-80	-74	dBc/Hz		
10 kHz		-86	-80	dBc/Hz	X	
100 kHz		-110	-104	dBc/Hz		
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		18	25	mA	X	
Spurious Product - 200 kHz		-70	-60	dBc	X	
Reference Feedthrough -		-70	-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-15	-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

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		Wide-Band Voltage Controlled Oscillators	Couplers	
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