

PLL Product Specification

Model: PLL350-2140 **Rev:** B **Date:** 4/17/2003
Customer: VARI-L COMPANY **AppNote:** 113, Opt. 207000
Operating Temperature Range: (-35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2110	2140	2170	MHz	X	
Step Size -		200		kHz	X	
Settling Time - To within 1 kHz		2	4	mSec		
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
1 kHz		-79	-73	dBc/Hz		
100 kHz		-122	-116	dBc/Hz		
800 kHz		-140	-134	dBc/Hz	X	
Power Supply:						
VCO	4.75	5	5.25	Volts		
PLL IC	2.9	3	3.1	Volts		
Supply Current:						
VCO		35	50	mA	X	
PLL IC		10	15	mA		
Spurious Product - 200 kHz		-85	-70	dBc	X	
Reference Feedthrough -		-85	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-25	-15	dBc	X	
3rd Harmonic		-30	-20	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	0.4		2	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

Package Information

Package Type:	PLL350	Drawing Number:	61054
Dimensions:	0.8 x 0.582 x 0.154 inches	Drawing Revision:	A

Comments

X Indicates parameter to be tested 100% in production