



PLL Product Specification

Model:	PLL350-2944(Y)	Rev:	P1	Date:	9/30/2005
Customer:	SIRENZA MICRODEVICES	AppNote:	113 Option 207000		
Operating Temperature Range: (-40 ° to 85 ° C)					
RoHS Compliant To order models as RoHS Compliant add "Y" suffix to base model number.					

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2940	2994	3048	MHz	X	
Step Size -		125		kHz	X	
Settling Time -		25		mSec		within +/- 50 Hz
Output Power -	-1	2	5	dBm	X	
Output Phase Noise:						
.1 kHz		-72	-67	dBc/Hz		
1 kHz		-72	-67	dBc/Hz		
10 kHz		-92	-86	dBc/Hz		
100 kHz		-119	-113	dBc/Hz	X	
1000 kHz		-139	-133	dBc/Hz		
5000 kHz		-150	-144	dBc/Hz		
Power Supply:						
4.9	5	5.1	Volts	X		VCO
4.9	5	5.1	Volts	X		PLL
Supply Current:						
	10	15	mA			PLL
	30	50	mA	X		VCO
Spurious Product -		-85	-75	dBc	X	
Reference Feedthrough -		-85	-80	dBc		
Harmonic Suppression:						
2nd Harmonic		-35	-20	dBc	X	
Ref Osc Signal:						
Frequency	1	10	40	MHz	X	
Amplitude	3		5	Vp-p		
Phase Noise - 1 kHz			-145	dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

Package Information

Package Type:	PLL350 (20.3 x 14.8 x 3.9 mm)	Drawing Number:	61054
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Comments

X Indicates parameter to be tested 100% in production

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