



PLL Product Specification

Model: PLL300-835(Y) **Rev:** P3 **Date:** 9/1/2006
Customer: SIRENZA MICRODEVICES, INC. **AppNote:** 113, Opt. 306000
Operating Temperature Range: (-35 ° to 85 ° C)

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	830	835	840	MHz	X	
Step Size -		2.5		kHz	X	
Settling Time - To within 1.0 kHz		110	150	mSec		
Output Power -	-7	-4	-1	dBm	X	
Output Phase Noise:						
1 kHz		-75	-65	dBc/Hz		
10 kHz		-100	-85	dBc/Hz	X	
100 kHz		-125	-105	dBc/Hz		
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		22	30	mA	X	
Spurious Product - 5.0 kHz		-60	-50	dBc	X	
Reference Feedthrough -		-75	-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		3	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

Package Information

Package Type:	PLL300 (0.75 x 0.75 x 0.137 inches)	Drawing Number:	60144
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Comments

X Indicates parameter to be tested 100% in production

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