VCO Product Specification

Model: VCO790-2300T(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° 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 -	2100	2300	2500	MHz	X	
Tuning Voltage:						
2100 MHz	0.5	1.5		Vdc	X	
2500 MHz		3.9	4.5	Vdc	X	
Tuning Sensitivity:						
2100 MHz	161	215	269	MHz/V	X	
2200 MHz	150	200	250	MHz/V	X	
2300 MHz	144	192	241	MHz/V	X	
2400 MHz	128	171	213	MHz/V	X	
2500 MHz	108	145	181	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-90	-84	dBc/Hz		
100 kHz		-112	-106	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts	X	
Supply Current -		15	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-25	-10	dBc	X	
3rd Harmonic		-30	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		10	25	MHz p-p		
Frequency Pulling - 12 dB RL		12.5	25	MHz p-p		
Tuning Port Capacitance -		68		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035

Comments

X Indicates parameter to be tested 100% in production

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