

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	Тур	Max	Units	Х	Remarks		
Frequency Range -	2100	2300	2500	MHz	Х			
Tuning Voltage:								
2100 MHz	0.5	1.5		Vdc	Х			
2500 MHz		3.9	4.5	Vdc	Х			
Tuning Sensitivity:								
2100 MHz	161	215	269	MHz/V	Х			
2200 MHz	150	200	250	MHz/V	Х			
2300 MHz	144	192	241	MHz/V	Х			
2400 MHz	128	171	213	MHz/V	Х			
2500 MHz	108	145	181	MHz/V	Х			
Output Power -	0	3	6	dBm	Х			
Output Phase Noise:								
10 kHz		-90	-84	dBc/Hz				
100 kHz		-112	-106	dBc/Hz	Х			
Power Supply -	4.75	5	5.25	Volts	Х			
Supply Current -		15	20	mA	Х			
Harmonic Suppression:								
2nd Harmonic		-25	-10	dBc	Х			
3rd Harmonic		-30	-10	dBc	Х			
Spurious (Non-Harmonic) -			-80	dBc				
requency Pushing - 4.75-5.25 V		10	25	MHz p-p				
requency 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
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Comments

X Indicates parameter to be tested 100% in production

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