



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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VCO Product Specification

Model: VCO-116TC **Rev:** - **Date:** 7/18/2002

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-55 ° to 100 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	150		300	MHz	X	
Tuning Voltage:						
150 MHz	0	1.5		Vdc	X	
300 MHz		17	20	Vdc	X	
Tuning Sensitivity:						
150 MHz	6.4	8.5	10.6	MHz/V	X	
187.5 MHz	8	10.6	13.3	MHz/V	X	
225 MHz	8.3	11	13.8	MHz/V	X	
262.5 MHz	7.4	9.8	13.3	MHz/V	X	
300 MHz	3	5	7.3	MHz/V	X	
Output Power -	10	12.5	16	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz	X	
100 kHz		-120	-114	dBc/Hz	X	
1000 kHz		-140	-134	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		12.5	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-12	-10	dBc	X	
3rd Harmonic		-12	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.75-15.25 V		0.7	1.5	MHz p-p		
Frequency Pulling - 12 dB RL		4	8	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	250	350		kHz		
Input Impedance		0.05		kΩ		

Package Information

Package Type:	TO-8 (Cir)	Drawing Number:	A8678
Dimensions:	0.504 x 0.504 x 0.27 inches	Drawing Revision:	P

Comments

X Indicates parameter to be tested 100% in production

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