



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-119/119TC



Nominal Operating Parameters

Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	3000		4800	MHz	100% Production Tested
Tuning Voltage :					
3000MHz	0	1.2		Vdc	100% Production Tested
4800MHz		18.1	20	Vdc	
Tuning Sensitivity:					
3000MHz	144	192	240	MHz/V	100% Production Tested
3450MHz	100	133	166	MHz/V	
3900MHz	84	112	140	MHz/V	
4350MHz	70	94	118	MHz/V	
4800MHz	35	57	72	MHz/V	
Output Power	10	13	16	dBm	
Output Phase Noise:					
10kHz		-67	-60	dBc/Hz	100% Production Tested
100kHz		-97	-90	dBc/Hz	
1000kHz		-123	-117	dBc/Hz	
Power Supply	14.75	15	15.25	V	
Supply Current		22	25	mA	
Harmonic Suppression:					
2nd Harmonic		-15	-10	dBc	100% Production Tested
3rd Harmonic		-15	-10	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 14.75V to 15.25V		18	25	MHz p-p	
Frequency Pulling – 28dBRL		23	33	MHz p-p	
Output Impedance		50		Ω	
Modulation:					
Bandwidth	25000	40000		kHz	
Input Impedance		0.05		k Ω	

Package: TO-8 (Cir), 0.504 x 0.504 x 0.27 inches

VCO-119 Temperature Range: 0°C to 70°C

VCO-119TC Temperature Range: -55°C to 100°C

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