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!

Contact us

VCO-5500/5500TC

Nominal Operating Parameters

Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	5490		5510	MHz	100% Production Tested
Tuning Voltage :					
5490MHz	0	1.8		Vdc	100% Production Tested
5510MHz		3.5	5	Vdc	
Tuning Sensitivity	9.5	13	16.5	MHz/V	
Output Power	-2	0.5	3	dBm	
Output Phase Noise:					
10kHz		-96	-90	dBc/Hz	100% Production Tested
100kHz		-118	-112	dBc/Hz	
Power Supply	4.25	5	5.25	V	
Supply Current		18	21	mA	100% Production Tested
Harmonic Suppression:					
2nd Harmonic		-30	-10	dBc	100% Production Tested
3rd Harmonic		-30	-10	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 4.75V to 5.25V		0.5	2	MHz p-p	
Frequency Pulling – 12dBRL		2.5	5	MHz p-p	
Tuning Port Capacitance		22		pF	
Output Impedance		50		Ω	
Modulation:					
Bandwidth	20000	30000		kHz	Zg = 50Ω

Package: TO-8 (Cir), 0.504 x 0.504 x 0.27 inches
VCO-5500 Temperature Range: 0°C to 70°C
VCO-5500TC Temperature Range: -55°C to 100°C