



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

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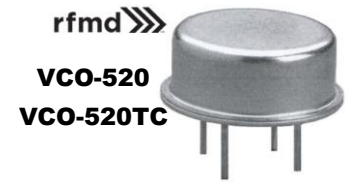
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VCO-520/520TC

Nominal Operating Parameters



Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	4900		5900	MHz	100% Production Tested
Tuning Voltage :					
4900MHz	0	1.2		Vdc	100% Production Tested
5900MHz		10.5	12	Vdc	
Tuning Sensitivity	70		210	MHz/V	
Output Power	-4	-1	2	dBm	
Output Phase Noise:					
10kHz		-77	-71	dBc/Hz	100% Production Tested
100kHz		-102	-96	dBc/Hz	
1000kHz		-122	-116	dBc/Hz	
Power Supply	4.85	5	5.15	V	
Supply Current		18	22	mA	100% Production Tested
Harmonic Suppression:					
2nd Harmonic		-20	-10	dBc	100% Production Tested
3rd Harmonic		-25	-10	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 4.85V to 5.15V		4	7	MHz p-p	
Frequency Pulling – 12dBRL		23	30	MHz p-p	
Tuning Port Capacitance		22		pF	
Output Impedance		50		Ω	

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

VCO-520 Temperature Range: 0°C to 70°C

VCO-520TC Temperature Range: -55°C to 100°C