

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