

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 = 50 Ω

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