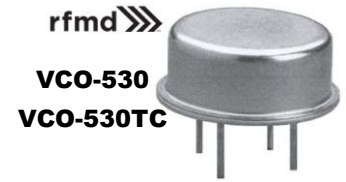


VCO-530/530TC

Nominal Operating Parameters



Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	5700		6700	MHz	100% Production Tested
Tuning Voltage :					
5700MHz	0	1.2		Vdc	100% Production Tested
6700MHz		10.5	12	Vdc	
Tuning Sensitivity	70		180	MHz/V	
Output Power	-4	-1	2	dBm	
Output Phase Noise:					
10kHz		-74	-68	dBc/Hz	100% Production Tested
100kHz		-99	-93	dBc/Hz	
1000kHz		-119	-113	dBc/Hz	
Power Supply	4.85	5	5.15	V	
Supply Current		19	23	mA	100% Production Tested
Harmonic Suppression:					
2nd Harmonic		-25	-10	dBc	100% Production Tested
3rd Harmonic		-30	-10	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 4.85V to 5.15V		2.5	5	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-530 Temperature Range: 0°C to 70°C

VCO-530TC Temperature Range: -55°C to 100°C