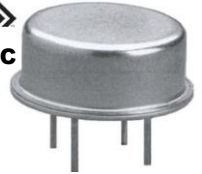


VCO-204/204TC

Nominal Operating Parameters

rfmd 
VCO-204/204TC



Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	100		200	MHz	100% Production Tested
Tuning Voltage :					
100MHz	0	1.3		Vdc	100% Production Tested
200MHz		17.9	20	Vdc	
Tuning Sensitivity:					
100MHz	4.8	6.4	8	MHz/V	100% Production Tested
125MHz	4.7	6.3	7.8	MHz/V	
150MHz	5.8	7.7	9.7	MHz/V	
175MHz	4.7	6.3	7.8	MHz/V	
200MHz	2.6	3.5	4.4	MHz/V	
Output Power	10	13	16	dBm	
Output Phase Noise:					
10kHz		-112	-106	dBc/Hz	100% Production Tested
100kHz		-135	-129	dBc/Hz	
1000kHz		-155	-149	dBc/Hz	
Power Supply	14.75	15	15.25	V	
Supply Current		13.5	15	mA	
Harmonic Suppression:					
2nd Harmonic		-25	-20	dBc	100% Production Tested
3rd Harmonic		-18	-15	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 14V to 16V		0.5	0.8	MHz p-p	
Frequency Pulling – 12dBRL		3	4	MHz p-p	
Output Impedance		50		Ω	
Modulation:					
Bandwidth	4000	7000		kHz	
Input Impedance		0.05		k Ω	

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

VCO-204 Temperature Range: 0°C to 70°C

VCO-204TC Temperature Range: -55°C to 100°C

RF Micro Devices Inc. 7628 Thorndike Road, Greensboro, NC 27409-9421
For sales or technical support, contact RFMD at +1.336.678.5570 or customerservice@rfmd.com.

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