

VCO Product Specification

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: $(-55 \circ to 100 \circ C)$

Parameter	Min	Тур	Max	Units	Х	Remarks
Frequency Range -	800		1600	MHz	Х	
Tuning Voltage:						
800 MHz	0	1.2		Vdc	Х	
1600 MHz		17.6	20	Vdc	Х	
Tuning Sensitivity:						
800 MHz	46.5	62	77.5	MHz/V	Х	
1000 MHz	41	55	69	MHz/V	Х	
1200 MHz	58	77	96	MHz/V	Х	
1400 MHz	37.5	50	62.5	MHz/V	Х	
1600 MHz	14	21	28	MHz/V	Х	
Output Power -	10	13	16	dBm	Х	
Output Phase Noise:						
10 kHz		-92	-81	dBc/Hz	Х	
100 kHz		-115	-104	dBc/Hz	Х	
1000 kHz		-135	-124	dBc/Hz	Х	
ower Supply -	14.75	15	15.25	Volts	Х	
upply Current -		15	18	mA	Х	
larmonic Suppression:						
2nd Harmonic		-12	-10	dBc	Х	
3rd Harmonic		-12	-10	dBc	Х	
Spurious (Non-Harmonic) -			-80	dBc		
requency Pushing - 14.75- L5.25 V		4	20	MHz p-p		
requency Pulling - 20 dB RL		20	27	MHz p-p		
Output Impedance -		50		Ω		
lodulation:						
Bandwidth	12000	15000		kHz		
Input Impedance		0.05		kΩ		

Package Information

Package Type:	TO-8 (Cir)	Drawing Number:	A8678
Dimensions:	0.504 x 0.504 x 0.27 inches	Drawing Revision:	Р

Comments

 \boldsymbol{X} Indicates parameter to be tested 100% in production

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