

VCO Product Specification

 Model:
 VCO190-445T(Y)
 Rev:
 Date: 8/31/2006

 Customer:
 SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° to 85 ° C)

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Тур	Max	Units	X	Remarks
Frequency Range -	415	445	475	MHz	Х	
Tuning Voltage:						
415 MHz	0.5	1.5	i	Vdc	Х	
475 MHz		7.5	10	Vdc	Х	
Funing Sensitivity -	5	10	12	MHz/V	Х	
Output Power -	-3	0	3	dBm	Х	
Output Phase Noise:						
10 kHz		-116	-110	dBc/Hz		
100 kHz		-136	-130	dBc/Hz	Х	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		10	15	mA	Х	
larmonic Suppression:						
2nd Harmonic		-18	-15	dBc	Х	
3rd Harmonic		-20	-15	dBc	Х	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		0.7	2	MHz p-p		
Frequency Pulling - 12 dB RL		0.7	2	MHz p-p		
Funing Port Capacitance -		220		pF		
Output Impedance -		50		Ω		

Package Information

Package Type: T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035
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Comments

X Indicates parameter to be tested 100% in production

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