



VCO Product Specification

Model: VCO793-1550TY **Rev:** A **Date:** 8/10/2009
Customer: RF MICRO DEVICES
Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	950	1550	2150	MHz	X	
Tuning Voltage:						
950 MHz	0.5	1.2		Vdc	X	
2150 MHz		18	22	Vdc	X	
Tuning Sensitivity:						
950 MHz	49	65	81	MHz/V	X	
1150 MHz	50	68	87	MHz/V	X	
1350 MHz	50	68	87	MHz/V	X	
1550 MHz	55	75	95	MHz/V	X	
1750 MHz	52	72	92	MHz/V	X	
1950 MHz	42	63	85	MHz/V	X	
2150 MHz	30	50	70	MHz/V	X	
Output Power -	3	7	11	dBm	X	
Output Phase Noise:						
10 kHz		-98	-93	dBc/Hz		
100 kHz		-118	-113	dBc/Hz	X	
Power Supply -	11.5	12	12.5	Volts	X	
Supply Current -		25	30	mA	X	
Harmonic Suppression:						
2nd Harmonic		-8	-4	dBc	X	
3rd Harmonic		-18	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 11.5-12.5 V		2.5	5	MHz p-p		
Frequency Pulling - 12 dB RL		7	10	MHz p-p		
Tuning Port Capacitance -		100		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

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

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