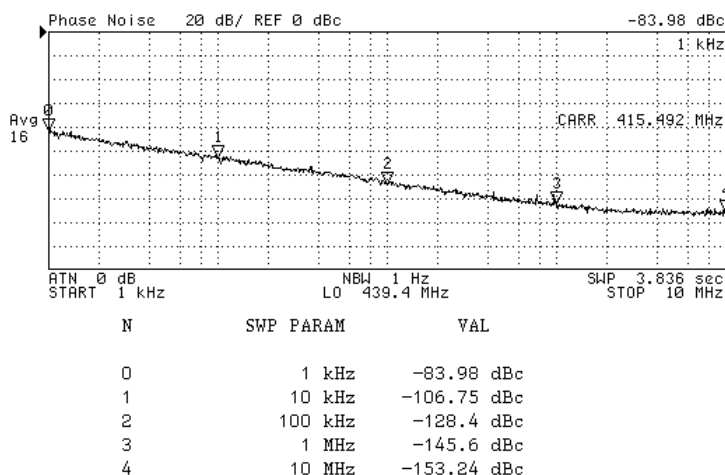


Voltage Controlled Oscillator-VCO CVCO33CL-0400-0440

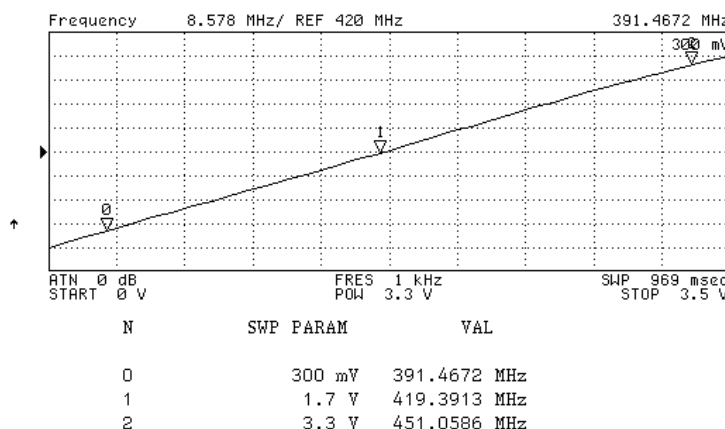


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			400	MHz
Upper Frequency:	440			MHz
Tuning Voltage:	0.3		3.3	VDC
Supply Voltage:	3.135	3.3	3.465	VDC
Output Power:	+1.0	+3.0	+5.0	dBm
Supply Current:		16	25	mA
Harmonic Suppression (2 nd Harmonic):		-15	-12	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-106	-103	dBc/Hz
Phase Noise @ 100kHz offset:		-128	-125	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

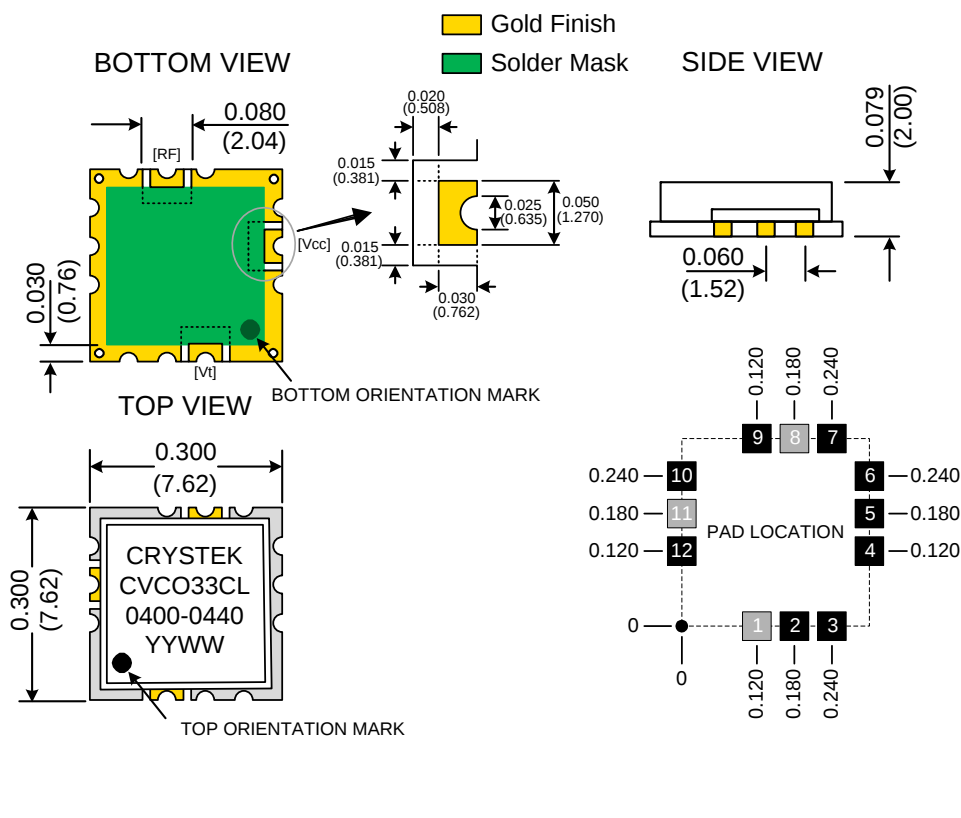
Phase Noise (1 Hz BW, Typical)



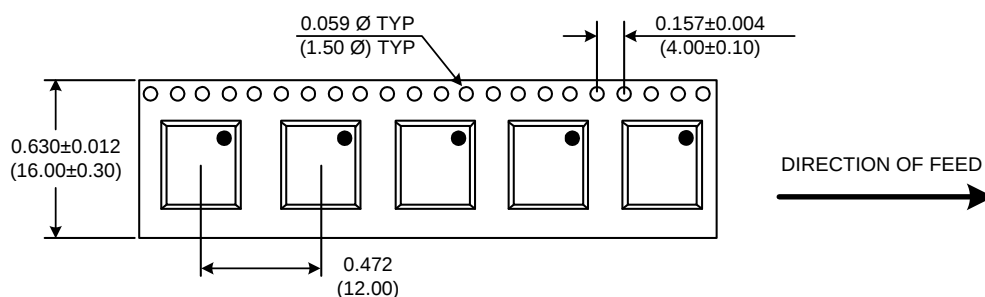
Tuning Curve (Typical)



Voltage Controlled Oscillator-VCO CVCO33CL-0400-0440



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO33CL-0400-0440	Release Date:	18-Feb-08
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice

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