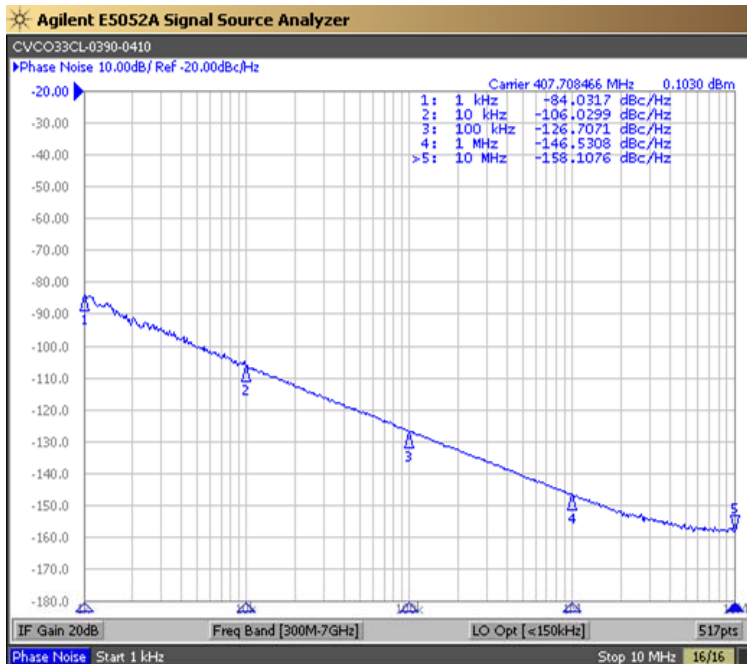


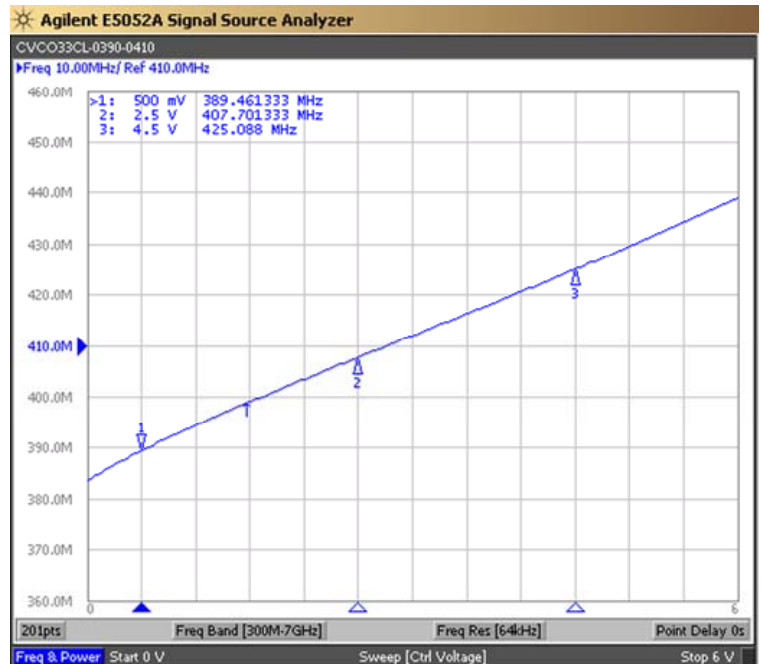


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			390	MHz
Upper Frequency:	410			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10	15	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-12	-9	dBc
Pushing:		1.0	1.5	MHz/V
Pulling, all Phases:		1.0	1.5	MHz pk-pk
Tuning Sensitivity:		12		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-130		dBc/Hz
Load Impedance:		50		$\Omega$
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)



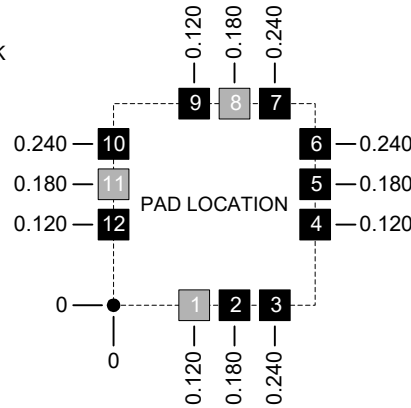
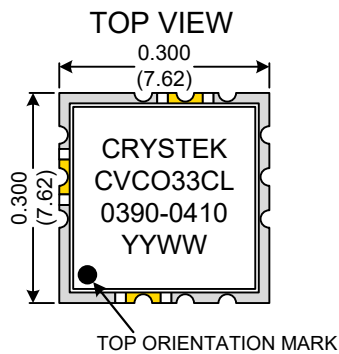
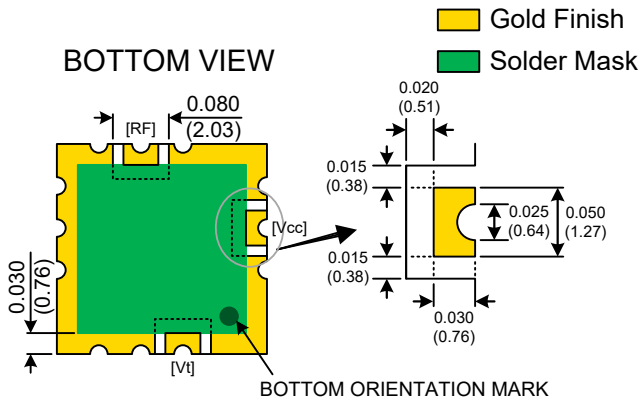
Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CVCO33CL-0390-0410	Release Date:	30-Oct-2017
Revision Level:	F	Responsible:	C. Vales

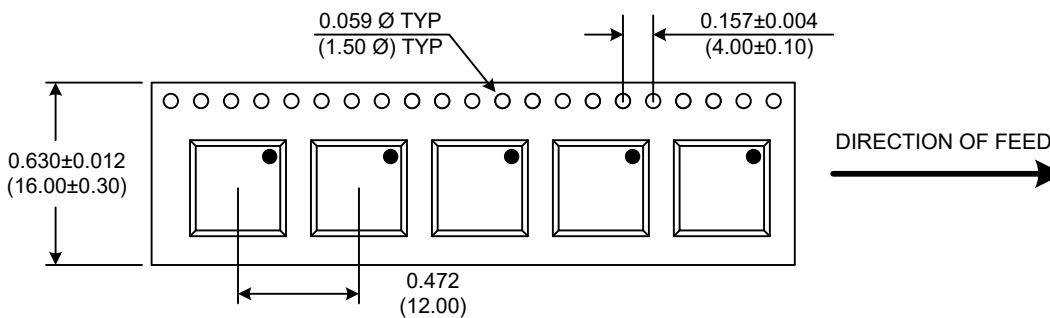




Pad	Connection
1	Vt
8	RF-OUTPUT
11	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in: IN (mm)
- Pad Location Dimensions are in: Inches

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

Crystek Part Number:	CVCO33CL-0390-0410	Release Date:	30-Oct-2017
Revision Level:	F	Responsible:	C. Vales

Specification is subject to change without notice