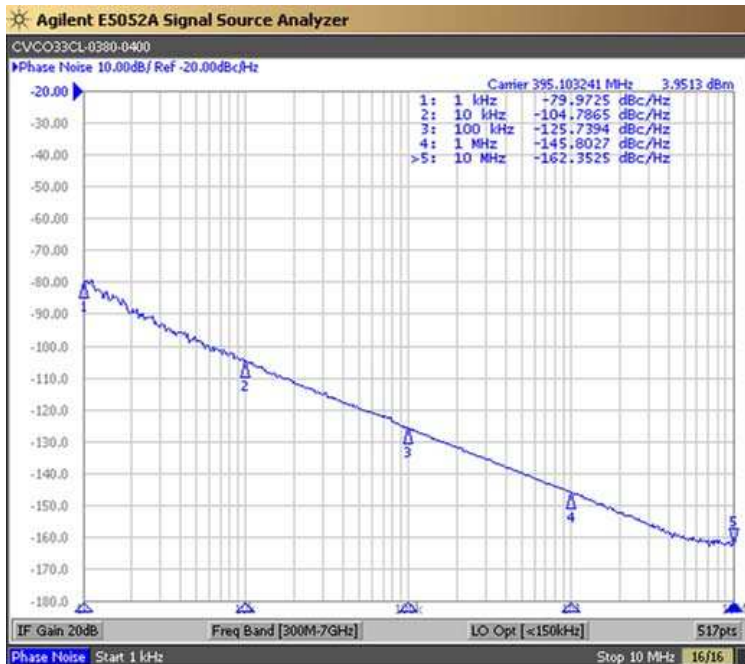
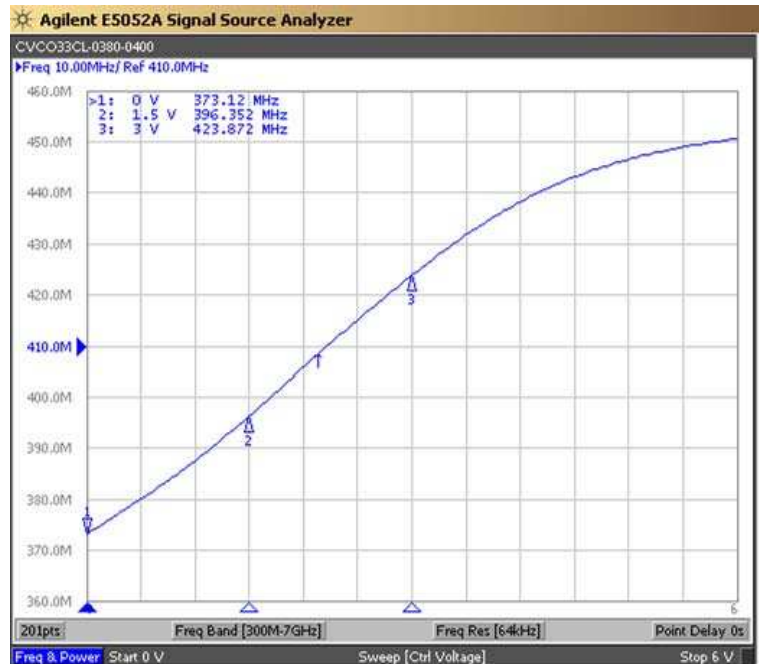


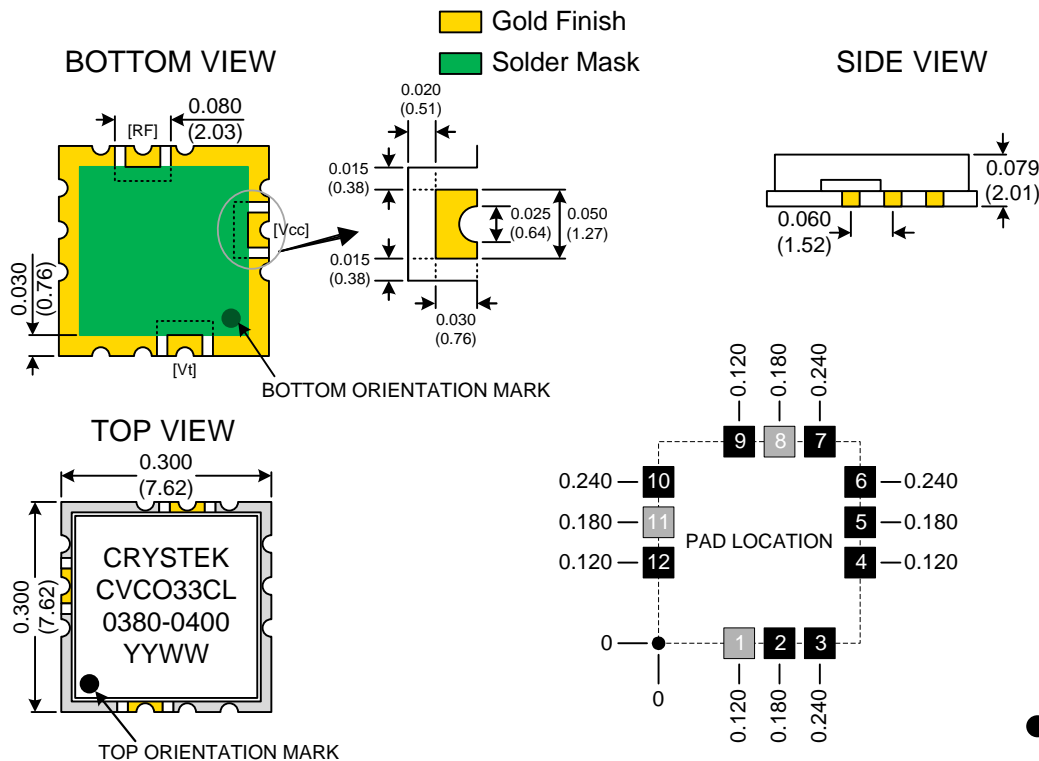
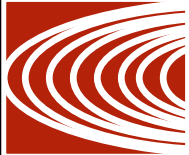
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			380	MHz
Upper Frequency:	400			MHz
Tuning Voltage:	0		3.0	VDC
Supply Voltage:	3.15	3.3	3.45	VDC
Output Power:	+1.5	+3.0	+4.5	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-15	-10	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		2.0	4.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-104	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-129	-122	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			1	nF
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)

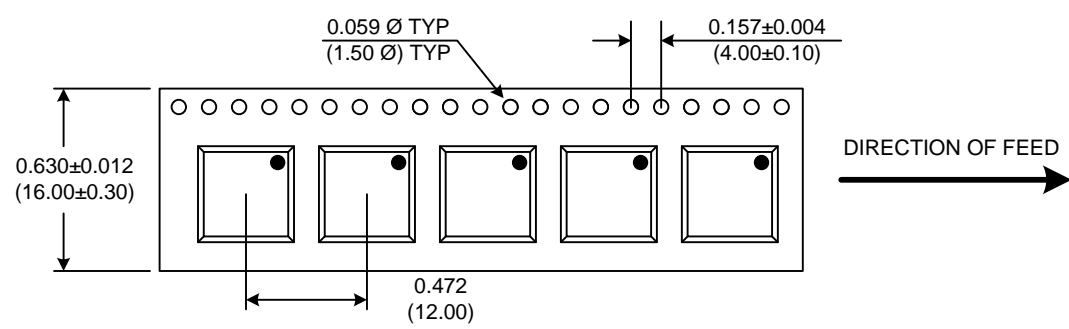




Pad	Connection
1	Vt
8	RF-OUTPUT
11	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

Crystek Part Number:	CVCO33CL-0380-0400	Release Date:	01-Jun-11
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice