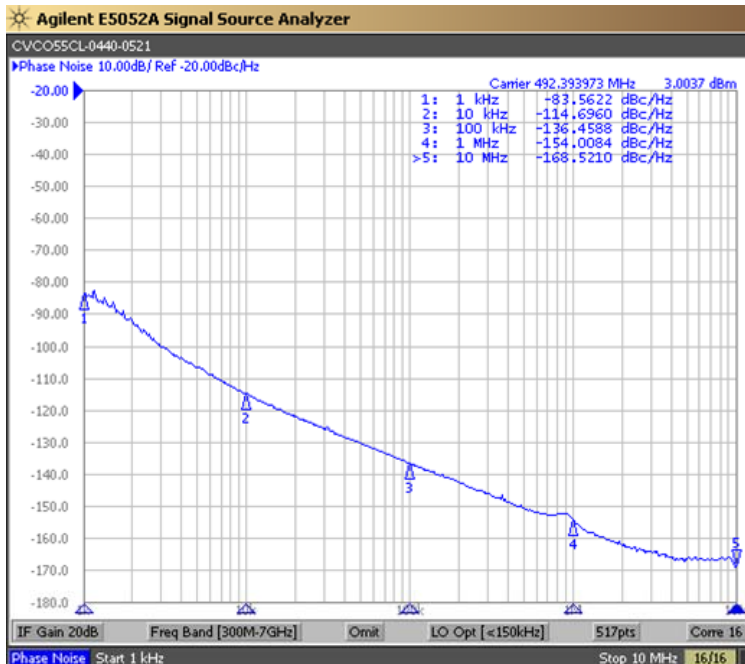


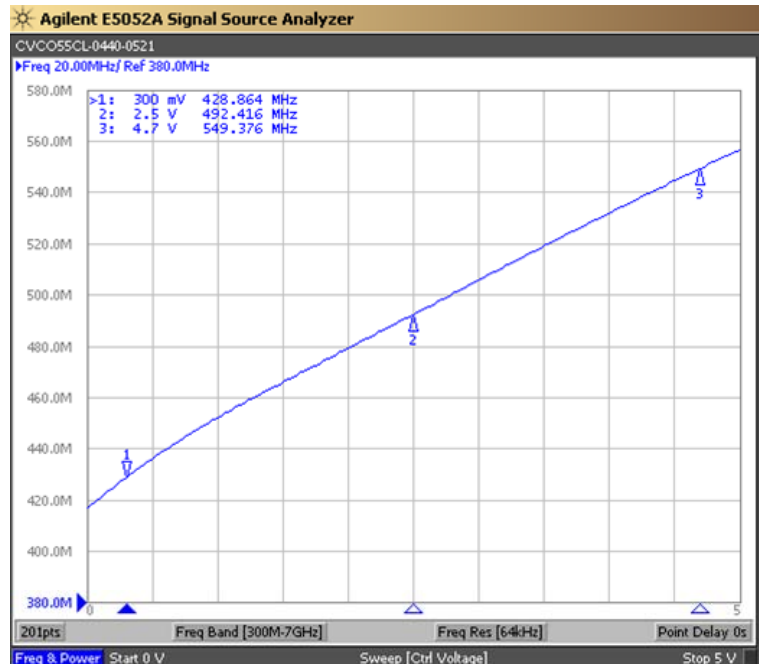


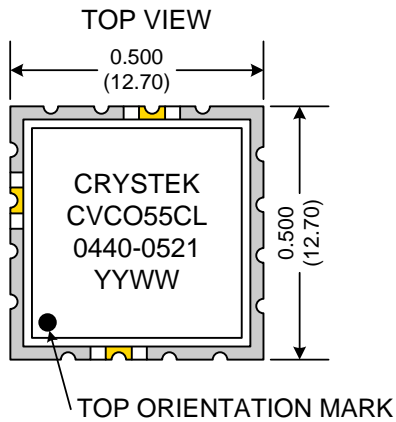
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			440	MHz
Upper Frequency:	521			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		20		mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-15		dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		22	28	MHz/V
Phase Noise @ 10kHz offset:		-113		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			220	pF
Operating Temperature Range:	-30		+75	$^{\circ}$ C
Storage Temperature Range:	-40		+85	$^{\circ}$ C

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)





Pad	Connection
2	Vt
10	RF-OUTPUT
14	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:	CVCO55CL-0440-0521	Release Date:	09-Oct-2013
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice