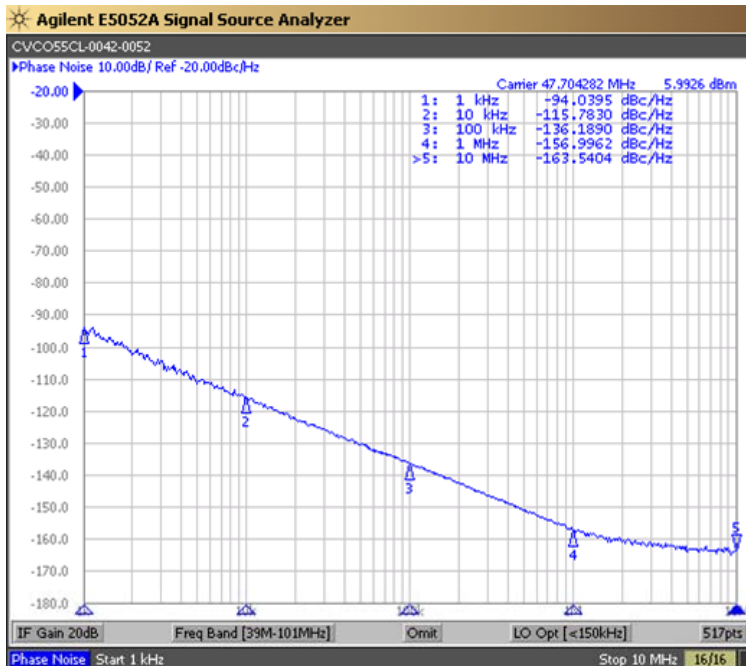


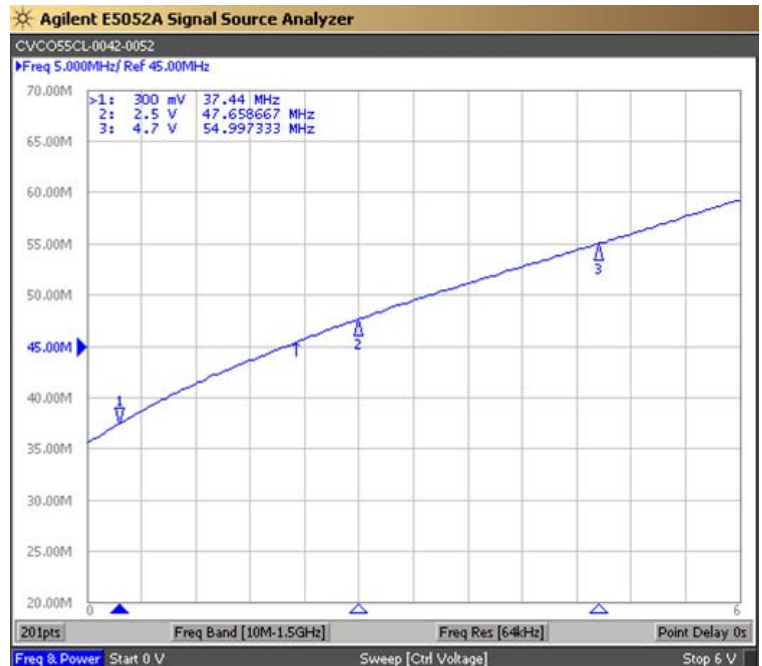


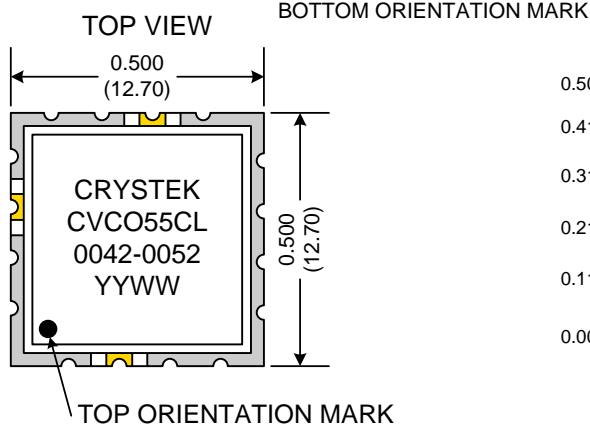
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			42	MHz
Upper Frequency:	52			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+5.0	+8.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2 nd Harmonic):			-10	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		2.5		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			1000	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)





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-0042-0052	Release Date:	09-Dec-2013
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice