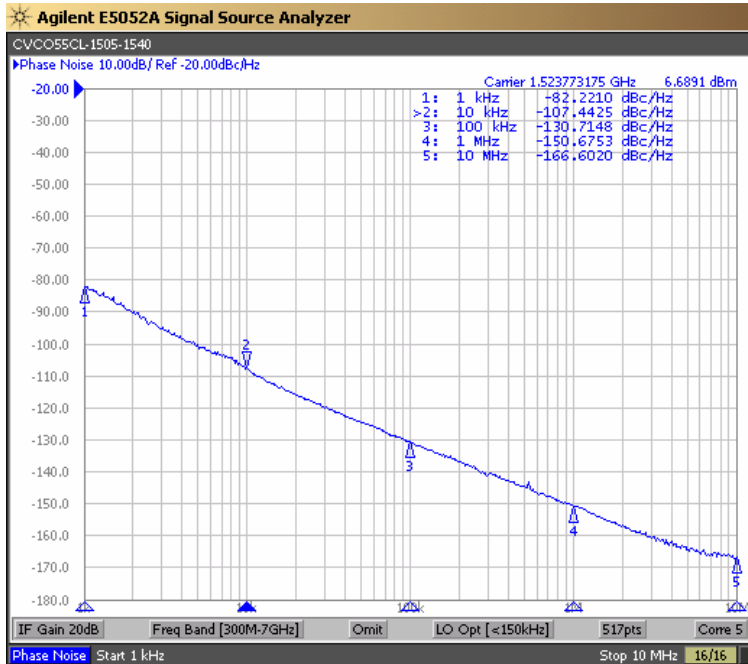


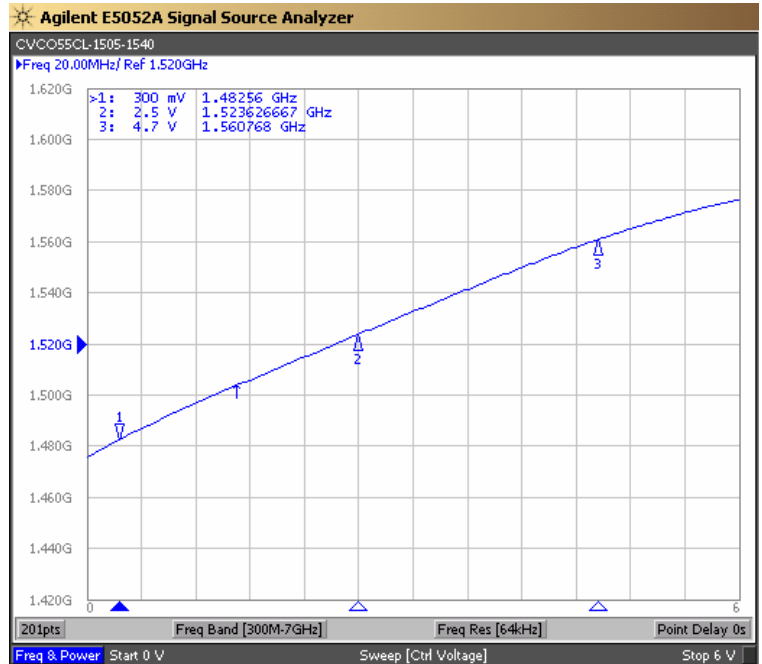


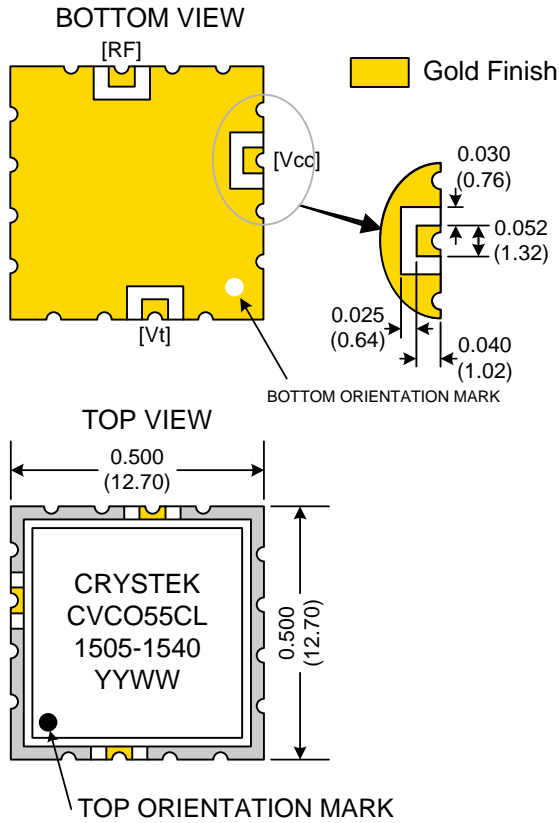
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1505	MHz
Upper Frequency:	1540			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+1.0	+4.0	+7.0	dBm
Supply Current:			35	mA
Harmonic Suppression (2 nd Harmonic):		-25	-20	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		6.0	10.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-110	-108	dBc/Hz
Phase Noise @ 100kHz offset:		-132	-130	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	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-1505-1540	Release Date:	12-Dec-2013
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice