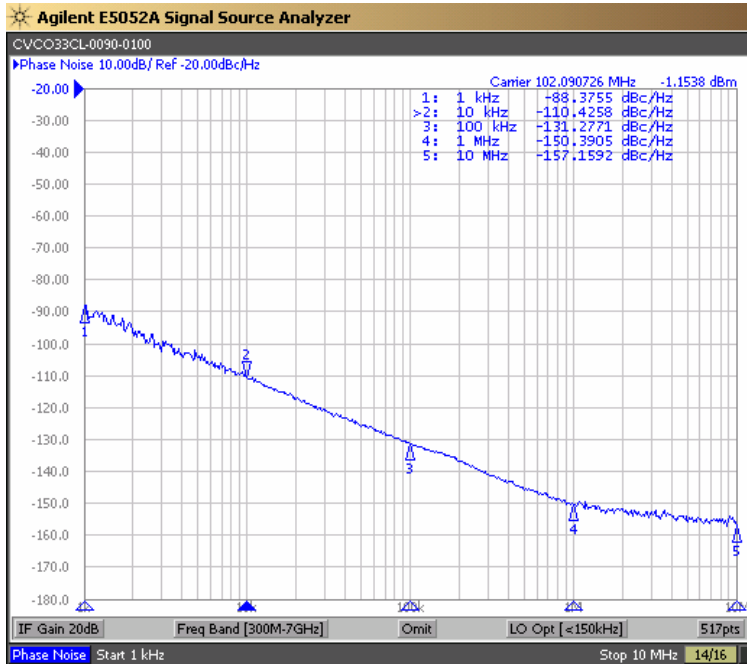
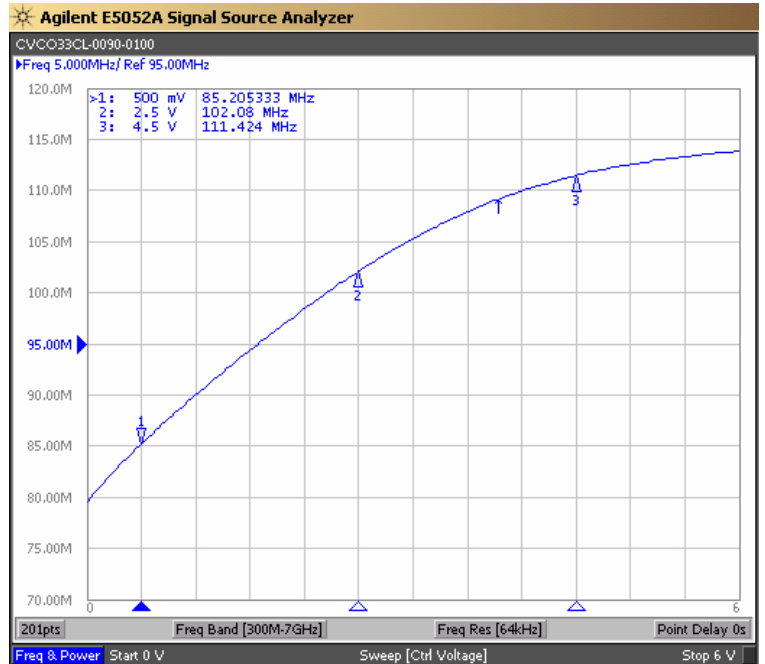


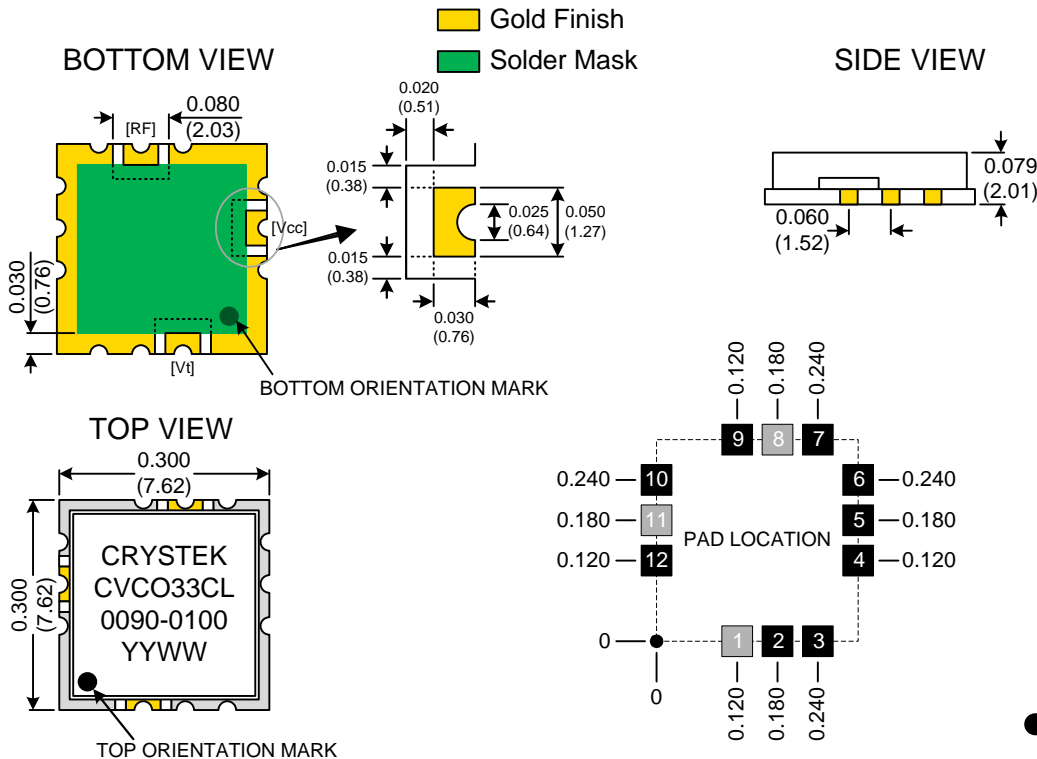
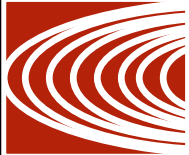
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			90	MHz
Upper Frequency:	100			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	3.135	3.3	3.465	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		3	5	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-10	-5	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		0.1	0.2	MHz pk-pk
Tuning Sensitivity:		5		MHz/V
Phase Noise @ 10kHz offset:		-112	-109	dBc/Hz
Phase Noise @ 100kHz offset:		-134	-131	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

Phase Noise (1 Hz BW, Typical)



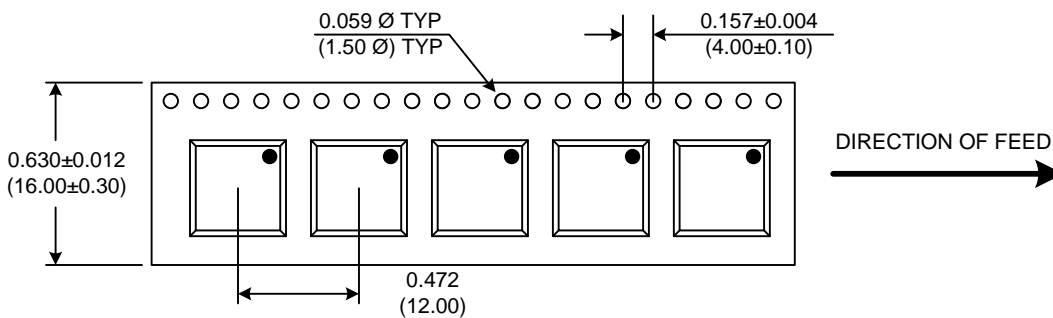
Tuning Curve (Typical)





- 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-0090-0100	Release Date:	16-Mar-09
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice

