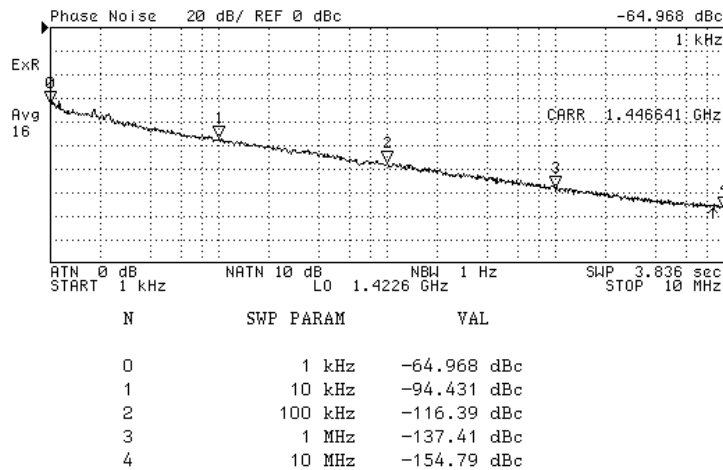


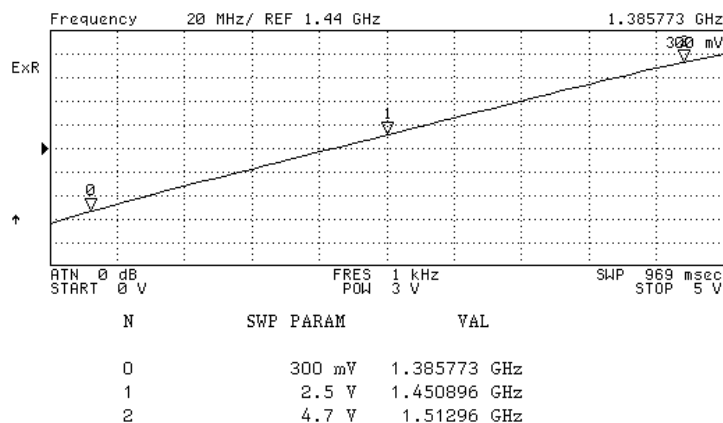


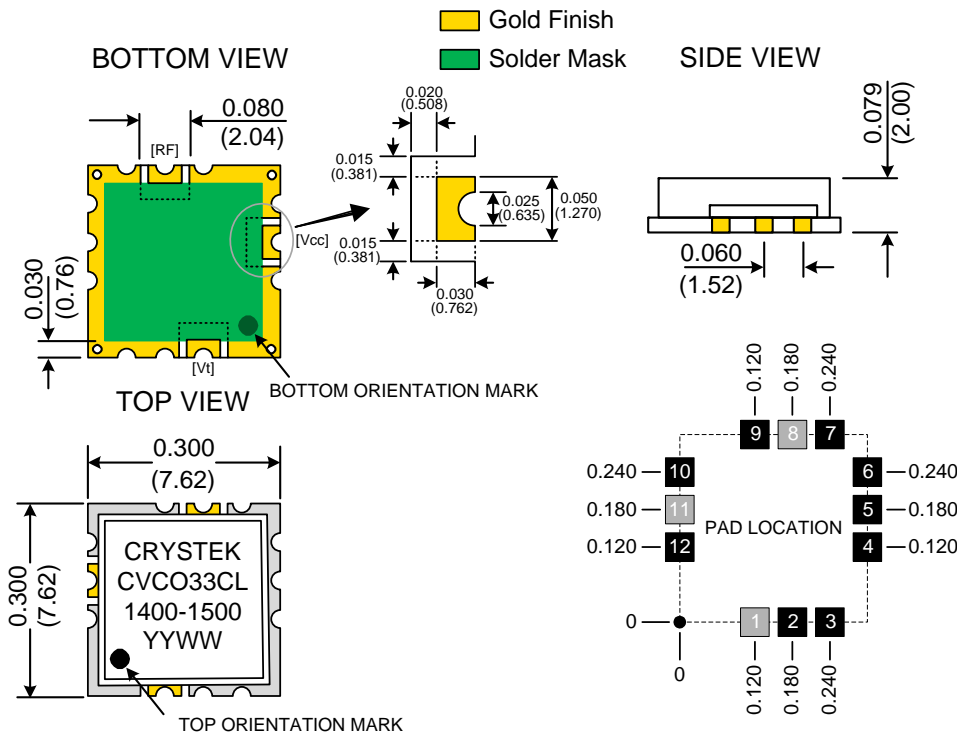
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1400	MHz
Upper Frequency:	1500			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	2.85	3.0	3.15	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		8.0	15	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-15	-10	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		8.0	16	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-94	-90	dBc/Hz
Phase Noise @ 100kHz offset:		-116	-113	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

Phase Noise  
(1 Hz BW, Typical)



Tuning Curve  
(Typical)

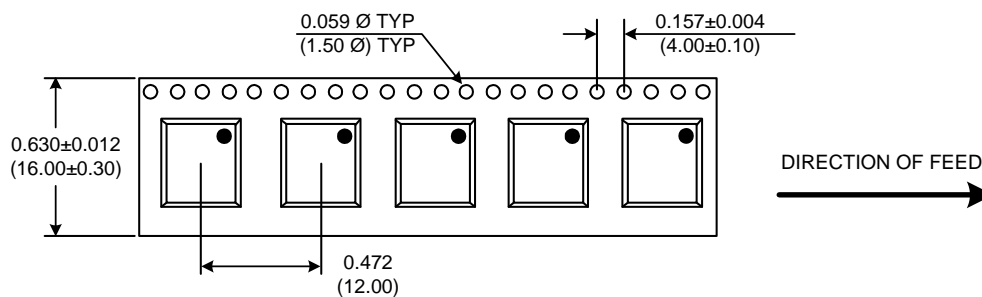




Pad	Connection
1	Vt
8	RF-OUTPUT
11	Vcc
Others	GROUND

- 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-1400-1500	Release Date:	06-Feb-08
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice