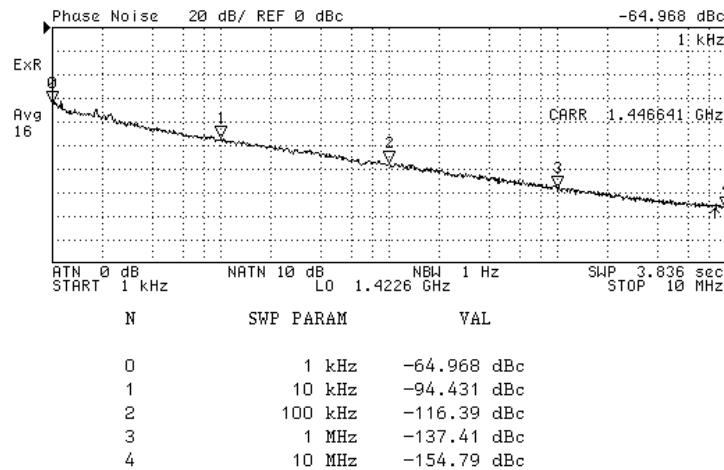
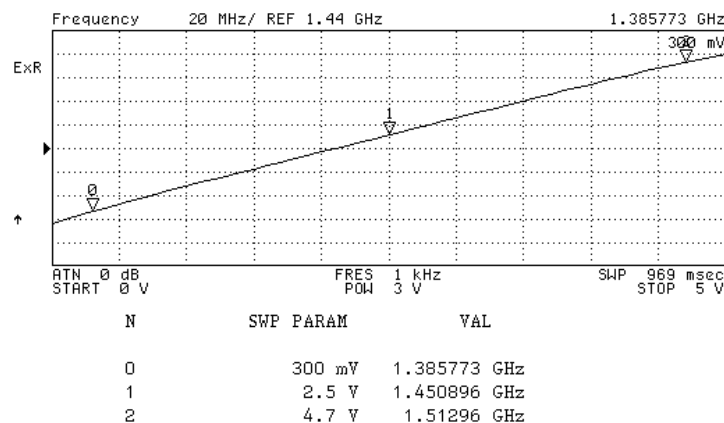


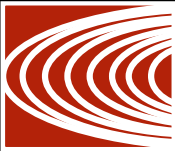
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1400	MHz
Upper Frequency:	1500			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	2.85	3.0	3.15	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		8.0	15	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, 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		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)



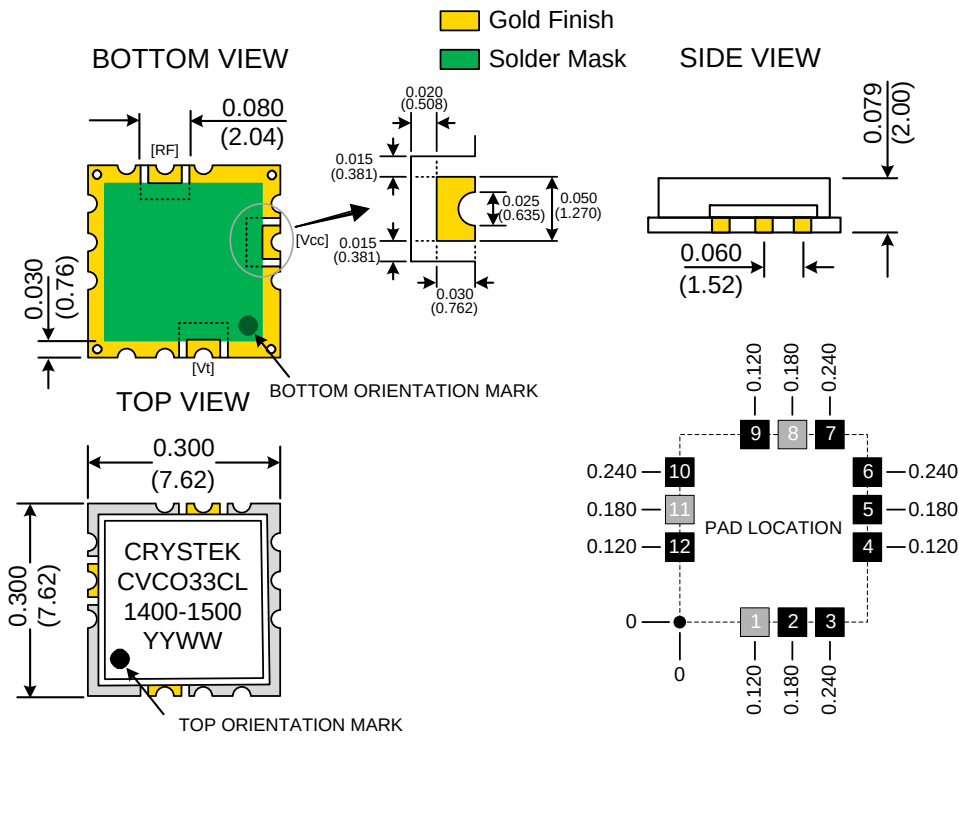
Tuning Curve (Typical)



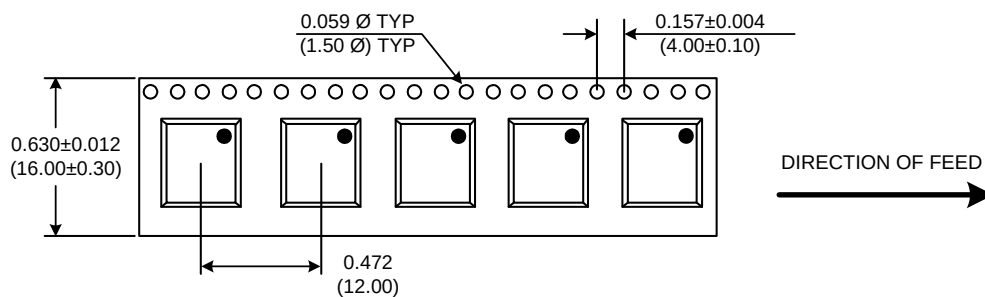


CRYSTEK
MICROWAVE
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Voltage Controlled Oscillator-VCO CVCO33CL-1400-1500



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

Page 2 of 2



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