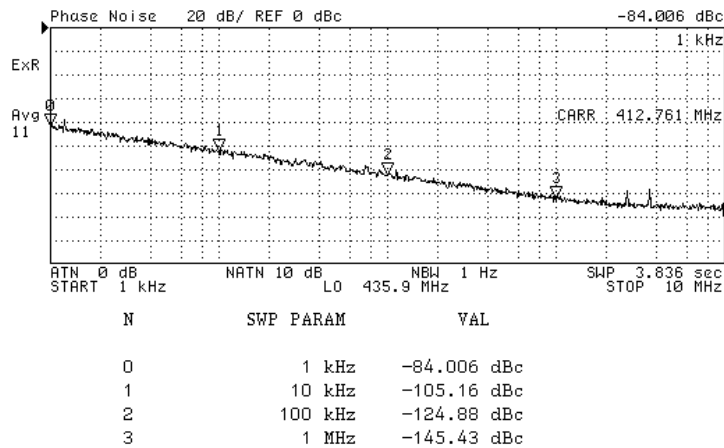
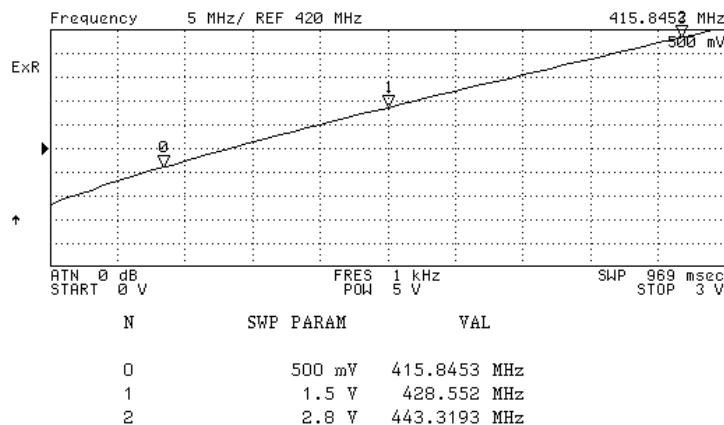


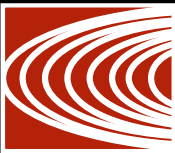
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			421	MHz
Upper Frequency:	431			MHz
Tuning Voltage:	0.5		2.8	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+1.0	+3.0	+5.0	dBm
Supply Current:		15	30	mA
Harmonic Suppression (2 nd Harmonic):		-15	-9	dBc
Pushing:			1.0	MHz/V
Pulling, all Phases:			2.0	MHz pk-pk
Tuning Sensitivity:		10		MHz/V
Phase Noise @ 10kHz offset:		-104		dBc/Hz
Phase Noise @ 100kHz offset:		-123		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise
(1 Hz BW, Typical)



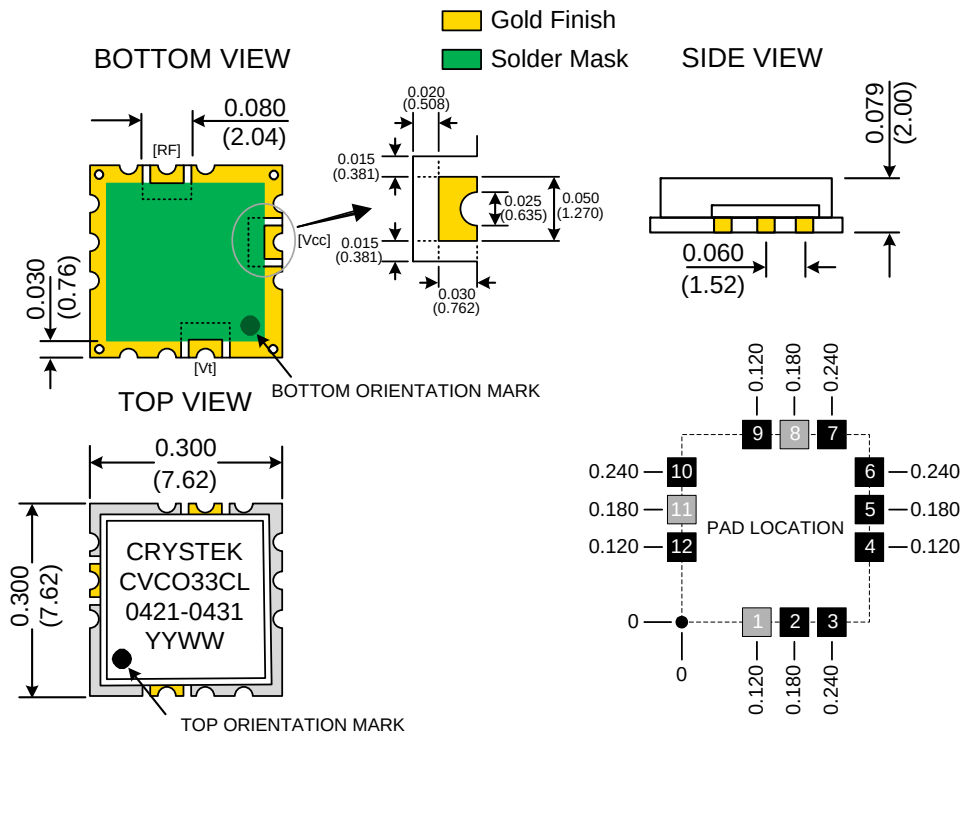
Tuning Curve
(Typical)



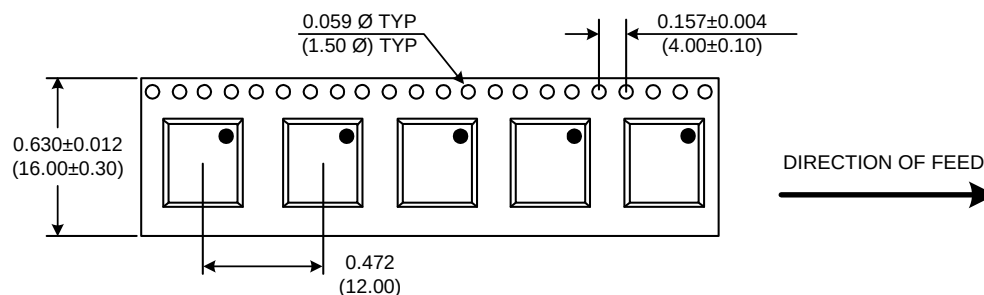


CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO CVCO33CL-0421-0431



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO33CL-0421-0431	Release Date:	18-Feb-08
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



CRYSTEK
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