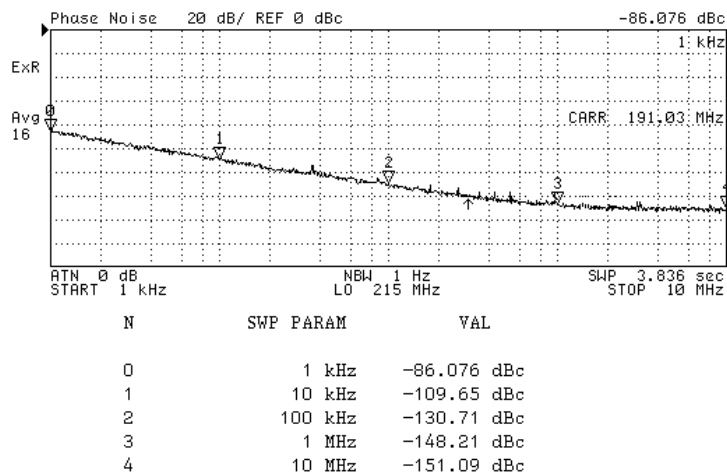
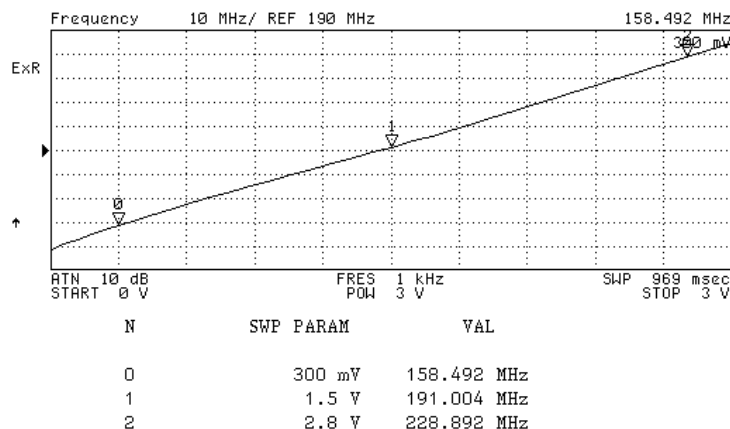


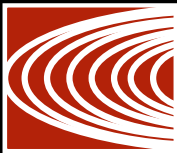
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			165	MHz
Upper Frequency:	220			MHz
Tuning Voltage:	0.3		2.8	VDC
Supply Voltage:	2.85	3.0	3.15	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10	15	mA
Harmonic Suppression (2 nd Harmonic):		-10		dBc
Pushing:		0.5		MHz/V
Pulling, all Phases:		1.0		MHz pk-pk
Tuning Sensitivity:		36		MHz/V
Phase Noise @ 10kHz offset:		-109		dBc/Hz
Phase Noise @ 100kHz offset:		-129		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			500	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise
(1 Hz BW, Typical)



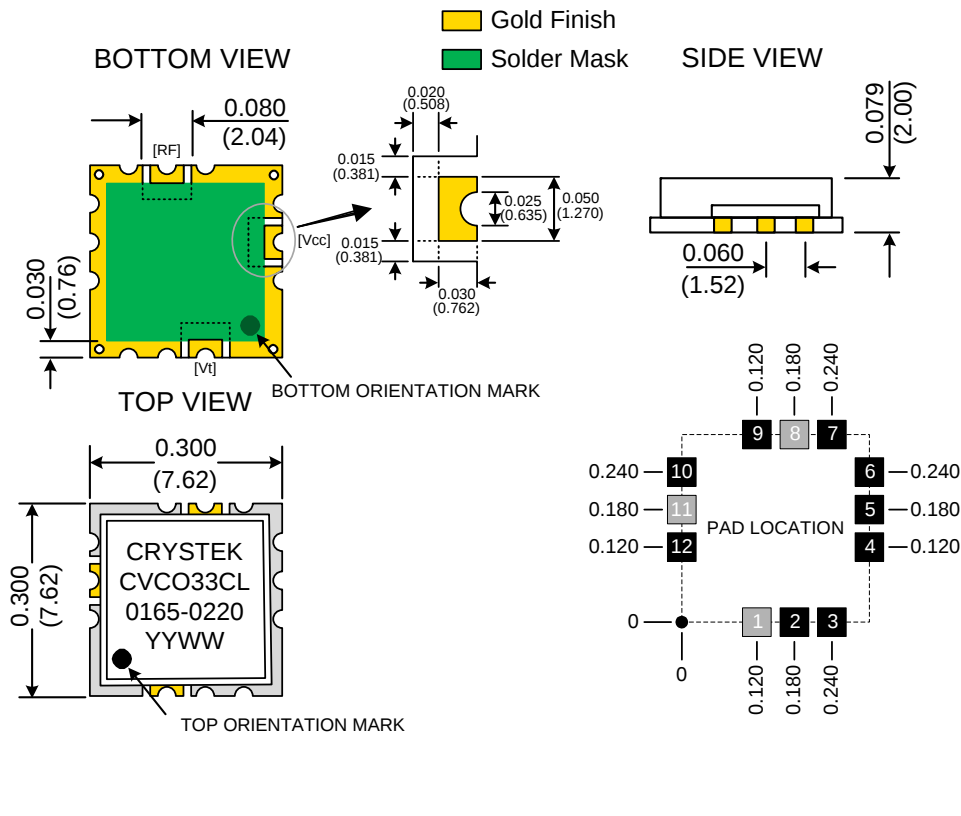
Tuning Curve
(Typical)



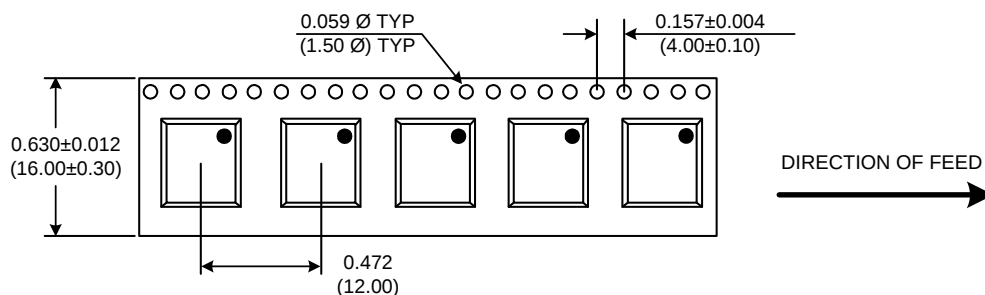


CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO CVCO33CL-0165-0220



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO33CL-0165-0220	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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