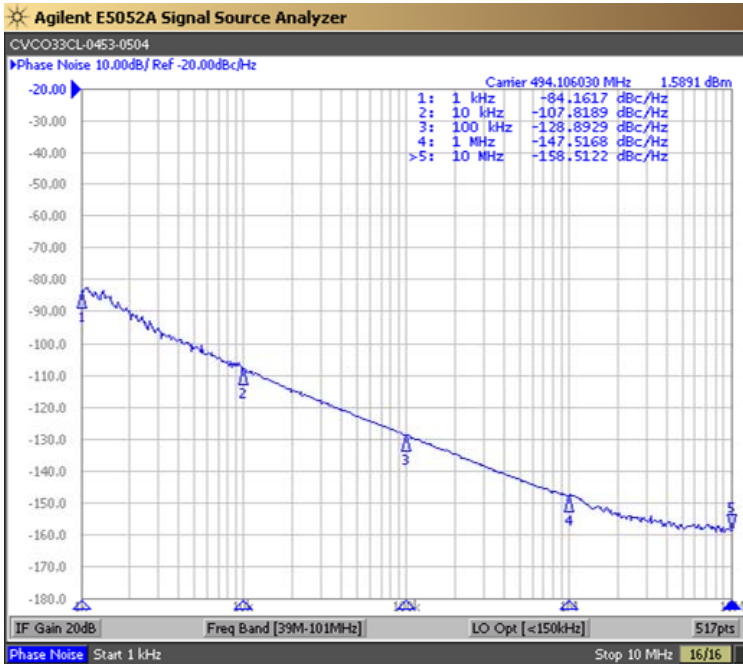


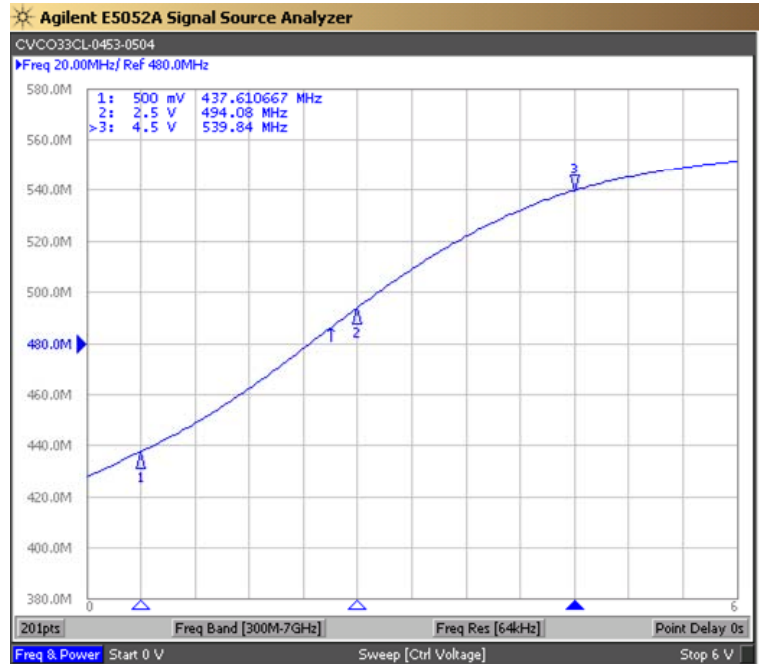


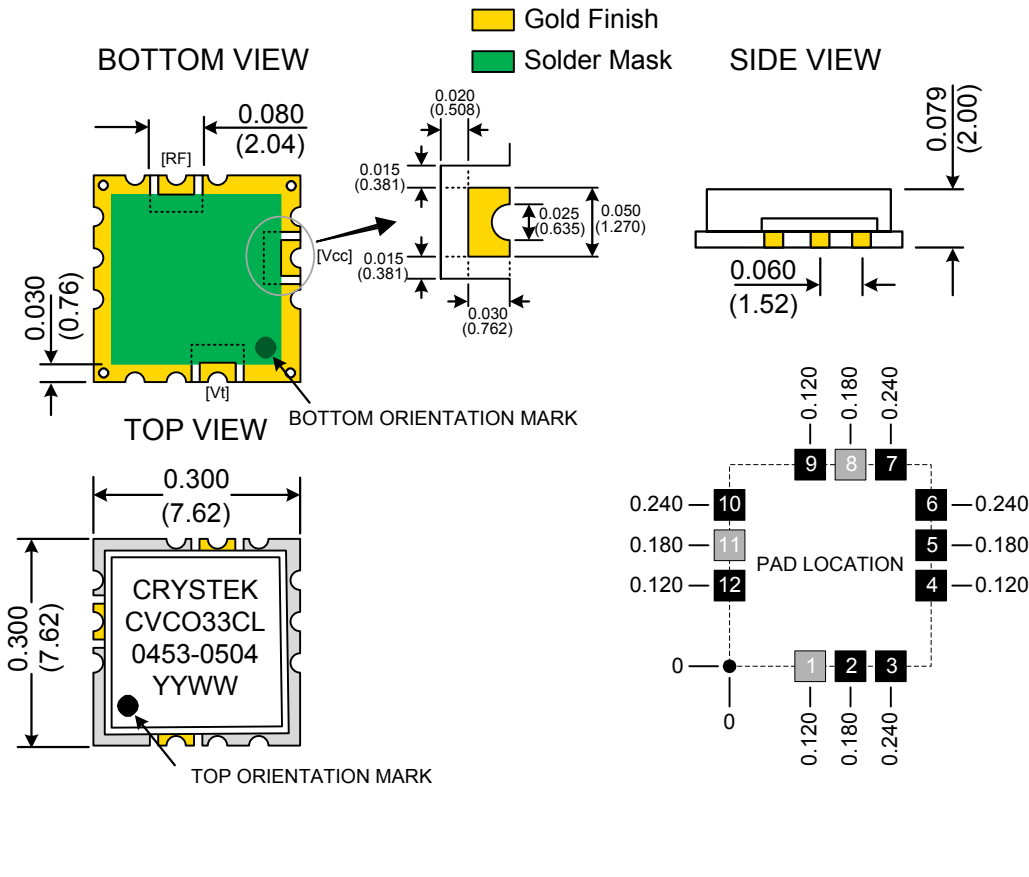
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			453	MHz
Upper Frequency:	504			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	2.66	2.8	2.94	VDC
Output Power:	-1.0	+1.0	+3.0	dBm
Supply Current:		15	22	mA
Harmonic Suppression (2 nd Harmonic):		-12	-7	dBc
Pushing:		4.5	7.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		24		MHz/V
Phase Noise @ 10kHz offset:		-109	-107	dBc/Hz
Phase Noise @ 100kHz offset:		-131	-129	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			150	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

Phase Noise (1 Hz BW, Typical)

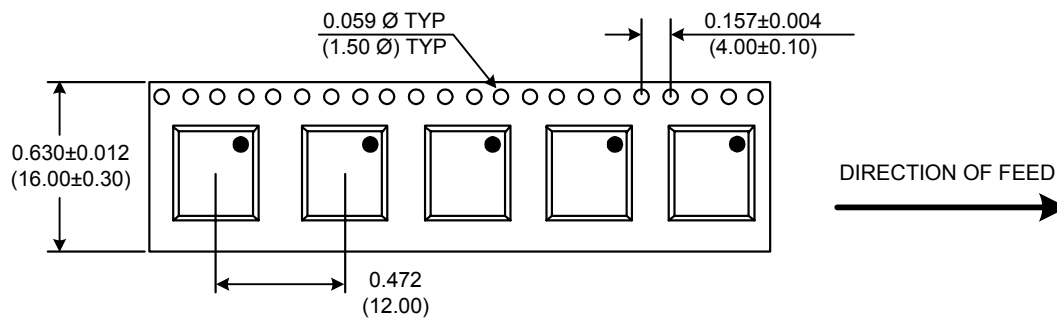


Tuning Curve (Typical)





TAPE AND REEL



Drawing not to scale

Product Control:			
Crystek Part Number:	CVCO33CL-0453-0504	Release Date:	20-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice