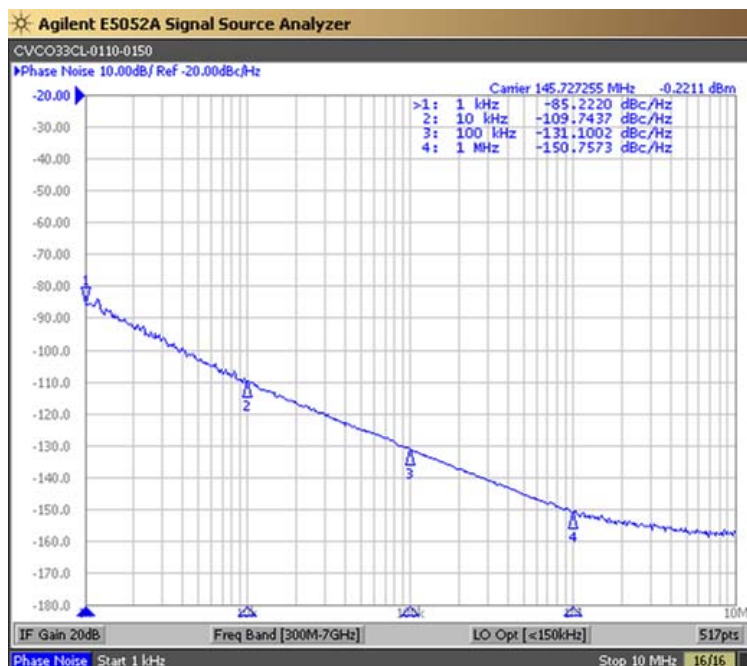
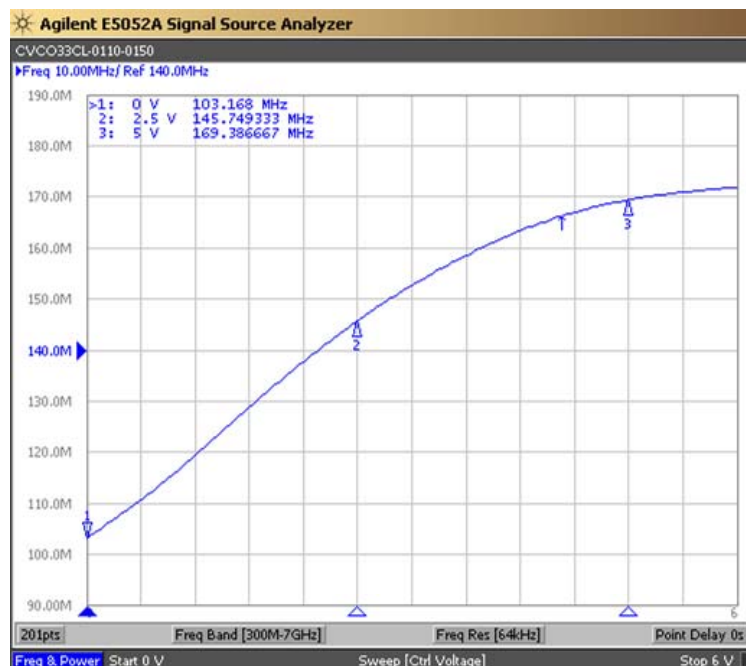


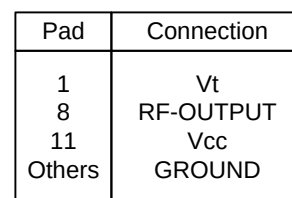
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			110	MHz
Upper Frequency:	150			MHz
Tuning Voltage:	0		5.0	VDC
Supply Voltage:	3.135	3.30	3.465	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10		mA
Harmonic Suppression (2 nd Harmonic):		-10		dBc
Pushing:		1.0		MHz/V
Pulling, all Phases:		3.0		MHz pk-pk
Tuning Sensitivity:		11		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-129		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)





- Unless otherwise specified,
Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$
- Pad Location
Dimensions are in: Inches

Technical drawing of a rectangular plate with the following dimensions and tolerances:

- Overall width: 0.630 ± 0.012 (16.00 $\pm$ 0.30)
- Overall height: 0.157 ± 0.004 (4.00 $\pm$ 0.10)
- Distance between centers of the first two rectangular features: 0.472 (12.00)
- Distance between centers of the last two rectangular features: 0.472 (12.00)
- Distance between the center of the first rectangular feature and the center of the first circular feature: 0.059 $\varnothing$ TYP (1.50 $\varnothing$ TYP)
- Distance between the center of the last rectangular feature and the center of the last circular feature: 0.059 $\varnothing$ TYP (1.50 $\varnothing$ TYP)
- Direction of feed: Indicated by an arrow pointing to the right.

Drawing not to scale

Crystek Part Number:	CVCO33CL-0110-0150	Release Date:	14-Nov-12
Revision Level:	E	Responsible:	C. Vales

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