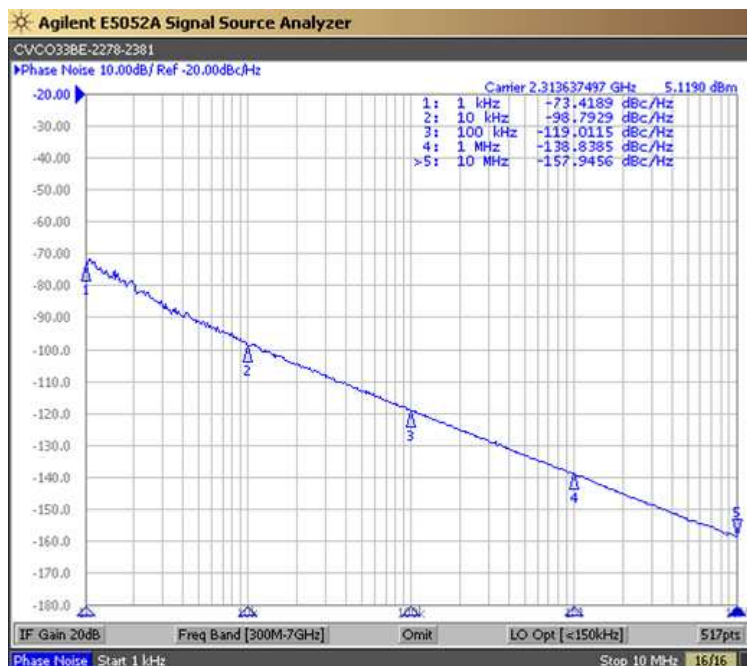
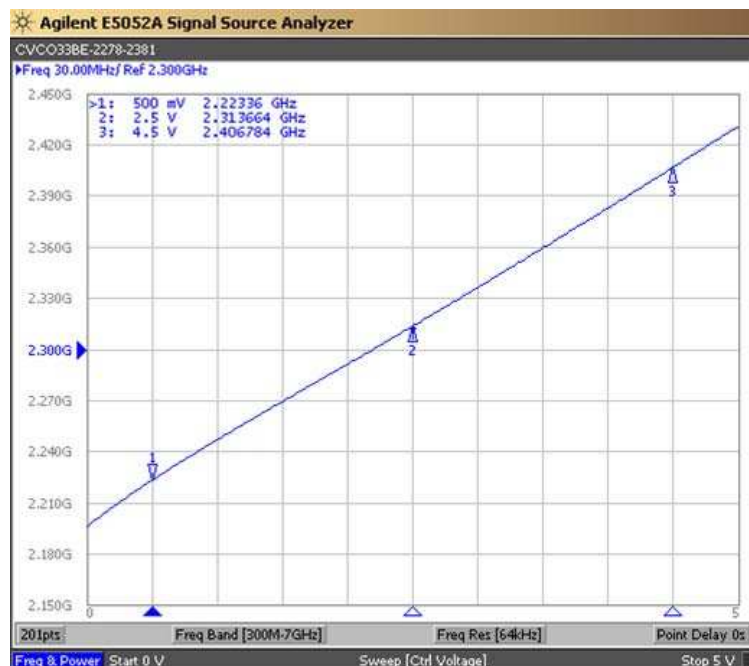


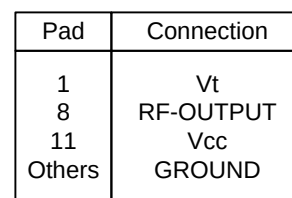
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2278	MHz
Upper Frequency:	2381			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+2.0	+4.0	dBm
Supply Current:		20		mA
Harmonic Suppression (2 nd Harmonic):		-15		dBc
Pushing:		5.0		MHz/V
Pulling, all Phases:		10.0		MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-101		dBc/Hz
Phase Noise @ 100kHz offset:		-121		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			27	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 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)
- Top edge hole diameter: $0.059 \varnothing$ TYP (1.50 $\varnothing$ TYP)
- Bottom edge hole diameter: $0.059 \varnothing$ TYP (1.50 $\varnothing$ TYP)
- Distance between bottom holes: 0.472 (12.00)
- Direction of feed: Indicated by an arrow pointing right.

Drawing not to scale

Crystek Part Number:	CVCO33BE-2278-2381	Release Date:	17-Jan-11
Revision Level:	A	Responsible:	C. Vales

Page 2 of 2



12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM