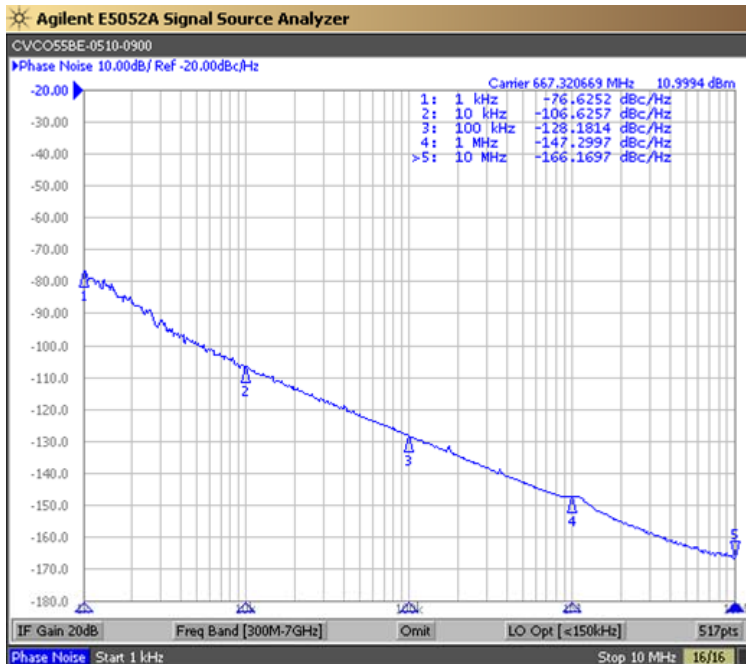


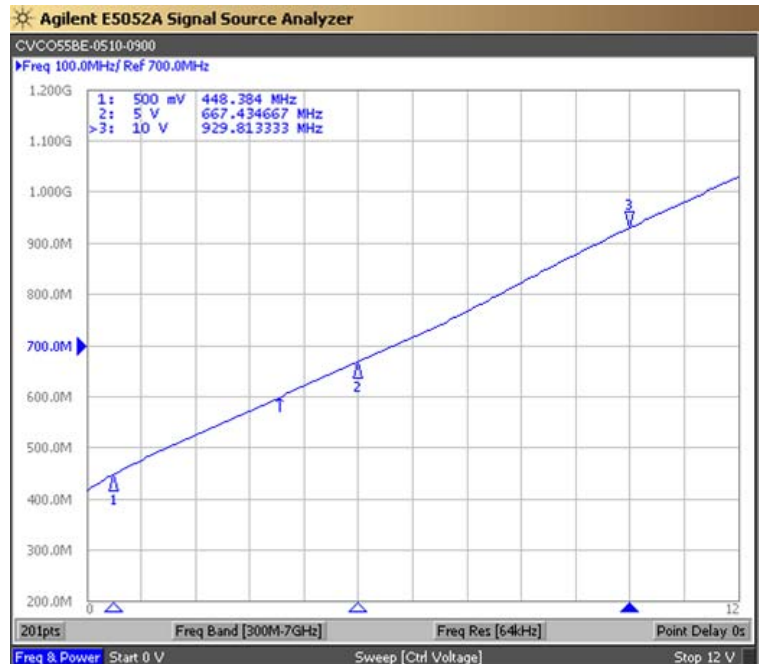


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			510	MHz
Upper Frequency:	900			MHz
Tuning Voltage:	0.5		10.0	VDC
Supply Voltage:	11.4	12.0	12.6	VDC
Output Power:	+6.0	+9.5	+13.0	dBm
Supply Current:		29		mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-20	-12	dBc
Pushing:		1.0		MHz/V
Pulling, all Phases:		5.0	10.0	MHz pk-pk
Tuning Sensitivity:		55		MHz/V
Phase Noise @ 10kHz offset:		-103	-97	dBc/Hz
Phase Noise @ 100kHz offset:		-123	-117	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

Phase Noise (1 Hz BW, Typical)



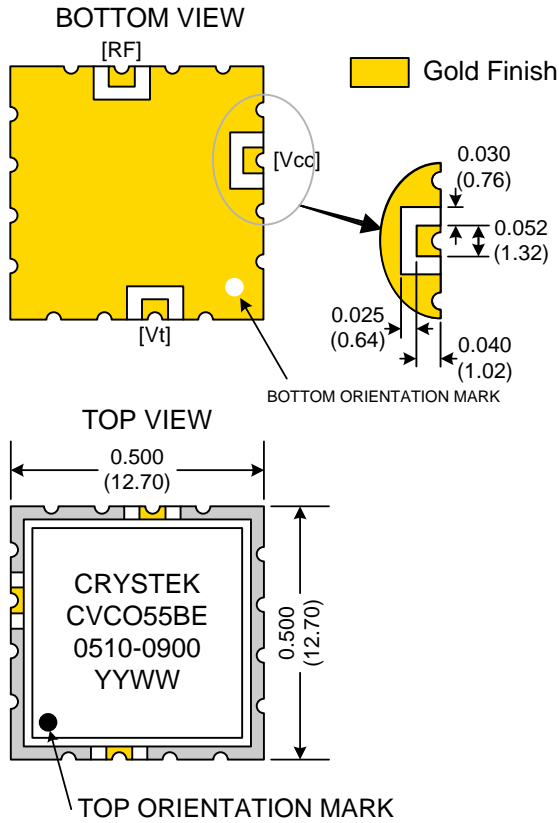
Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CVCO55BE-0510-0900	Release Date:	22-May-2014
Revision Level:	D	Responsible:	C. Vales





Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

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

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

Crystek Part Number:	CVCO55BE-0510-0900	Release Date:	22-May-2014
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice