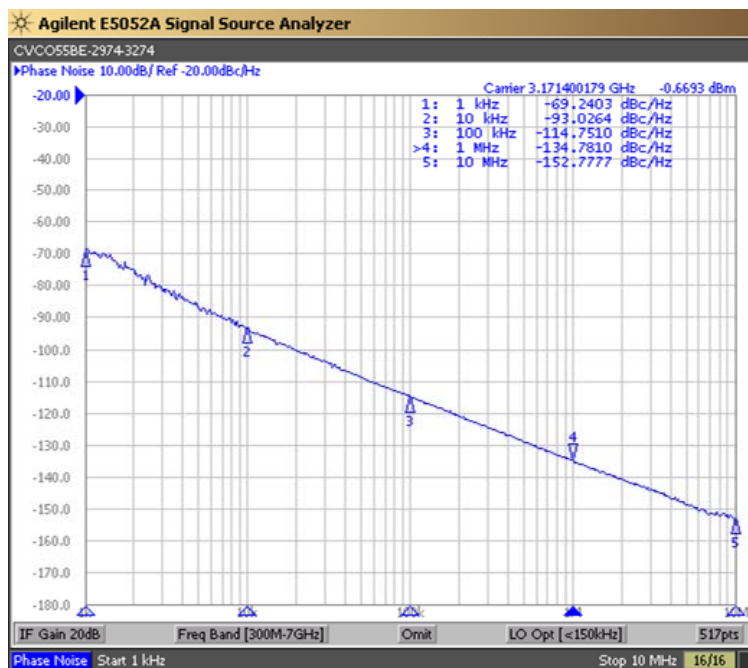


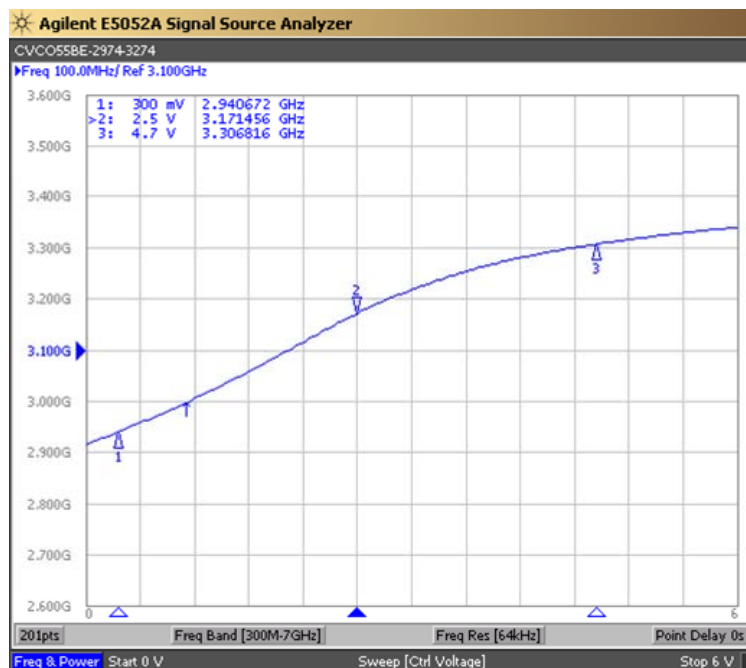


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2974	MHz
Upper Frequency:	3274			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:			27	mA
Harmonic Suppression (2 nd Harmonic):		-30	-15	dBc
Pushing:		1.5	2.5	MHz/V
Pulling, all Phases:			15.0	MHz pk-pk
Tuning Sensitivity:		100		MHz/V
Phase Noise @ 10kHz offset:		-93	-90	dBc/Hz
Phase Noise @ 100kHz offset:		-119	-116	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			30	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)

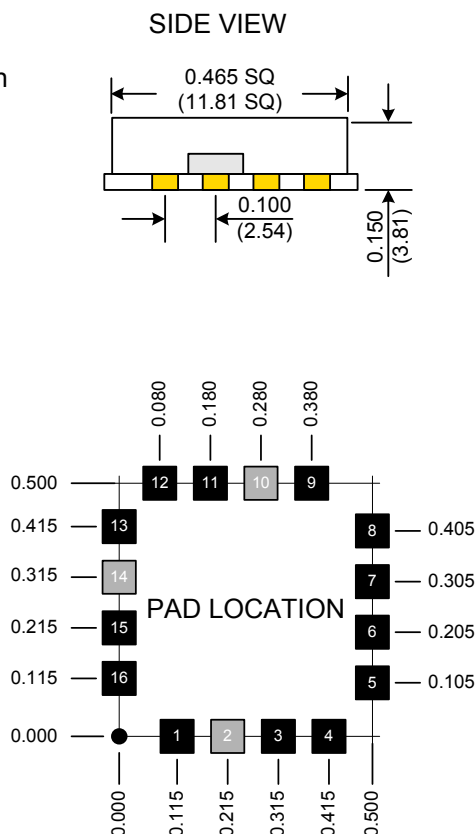
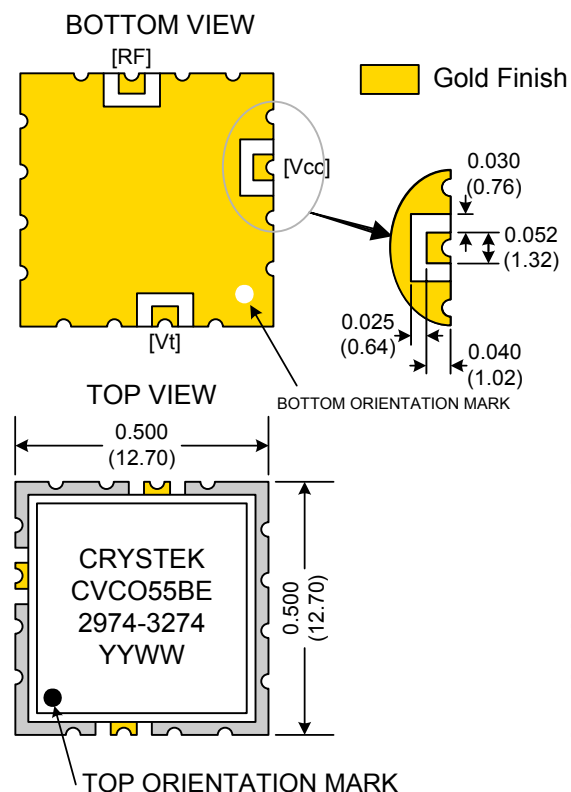




CRYSTEK
MICROWAVE
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Voltage Controlled Oscillator-VCO

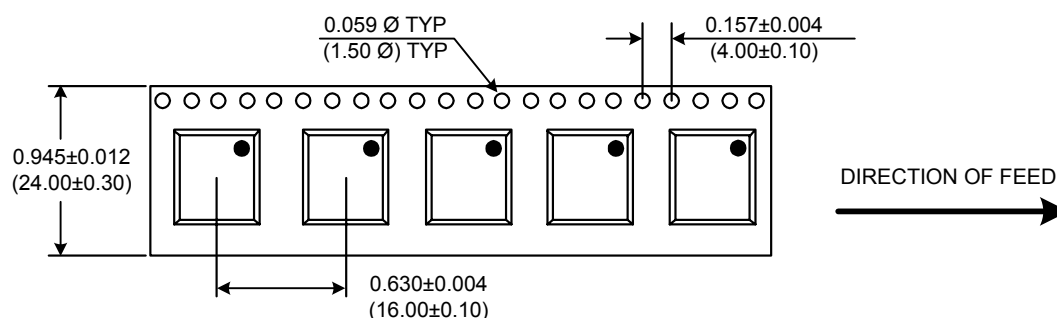
CVCO55BE-2974-3274



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

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

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-2974-3274	Release Date:	18-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice

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CRYSTEK
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