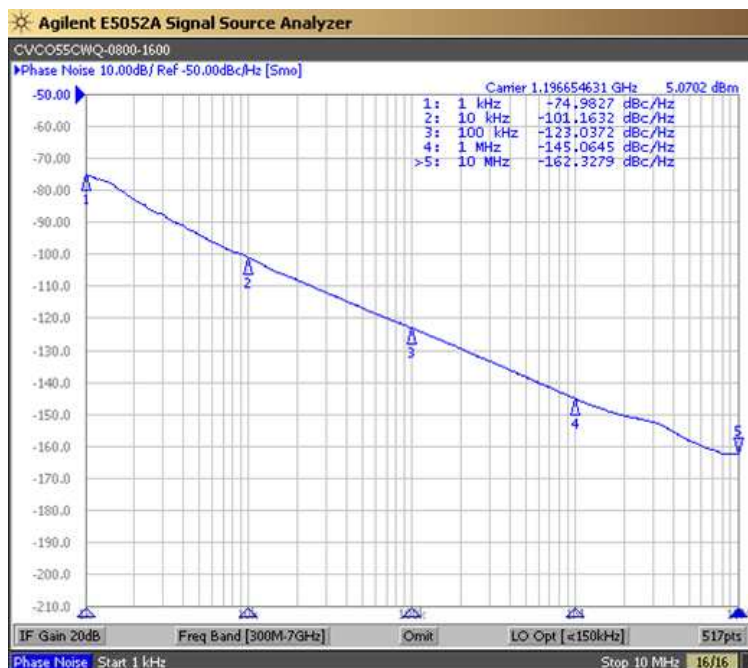


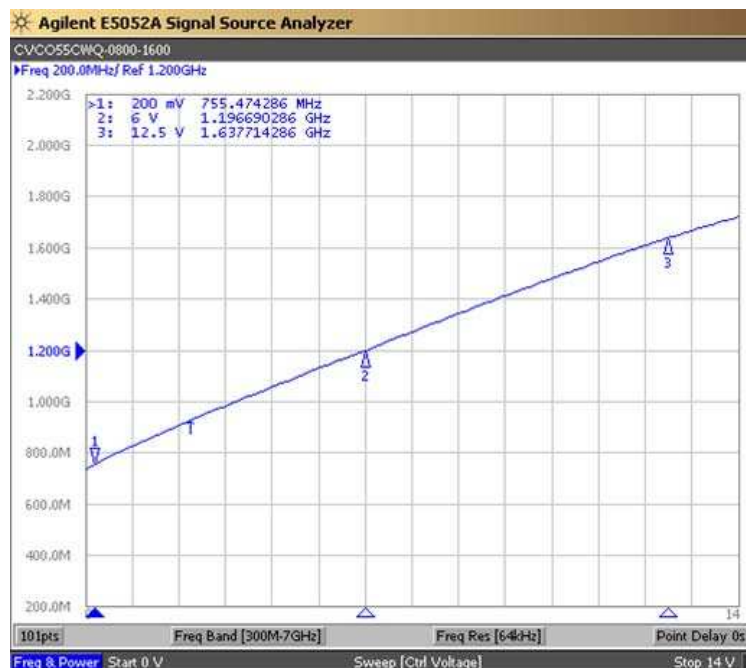


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			800	MHz
Upper Frequency:	1600			MHz
Tuning Voltage:	0.2		12.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+3.5	+7.0	dBm
Supply Current:		15	30	mA
Harmonic Suppression (2 nd Harmonic):		-10	-5	dBc
Pushing:			4.0	MHz/V
Pulling, all Phases:		0.5	1.5	MHz pk-pk
Tuning Sensitivity:		87		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-121	-116	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	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)

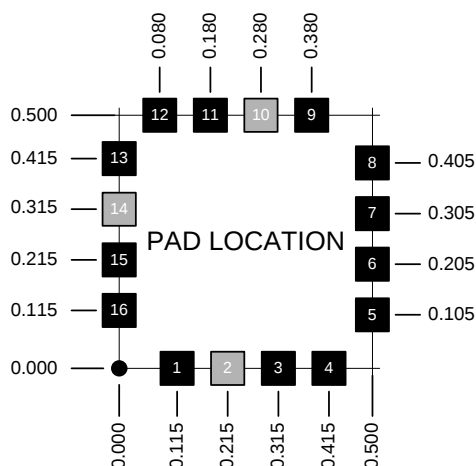
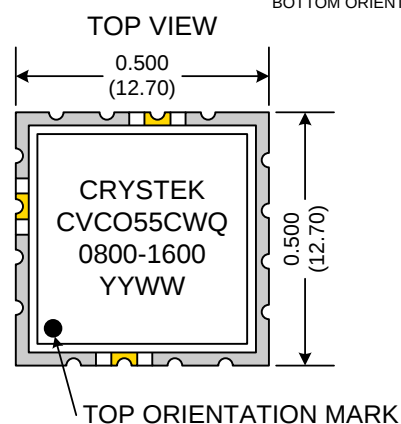
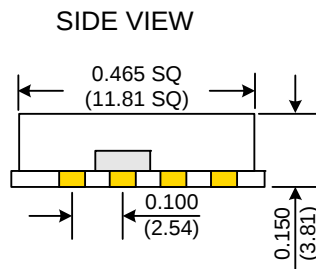
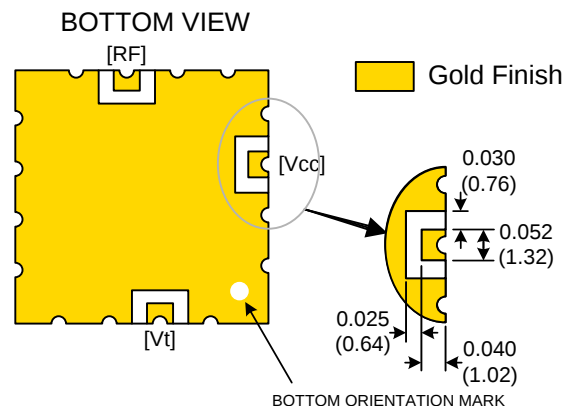




CRYSTEK
MICROWAVE
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Voltage Controlled Oscillator-VCO

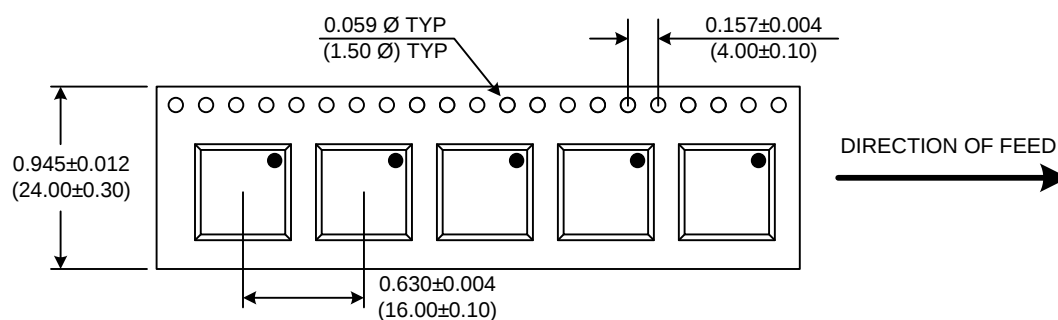
CVCO55CWQ-0800-1600



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:	CVCO55CWQ-0800-1600	Release Date:	18-Aug-11
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice

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CRYSTEK
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