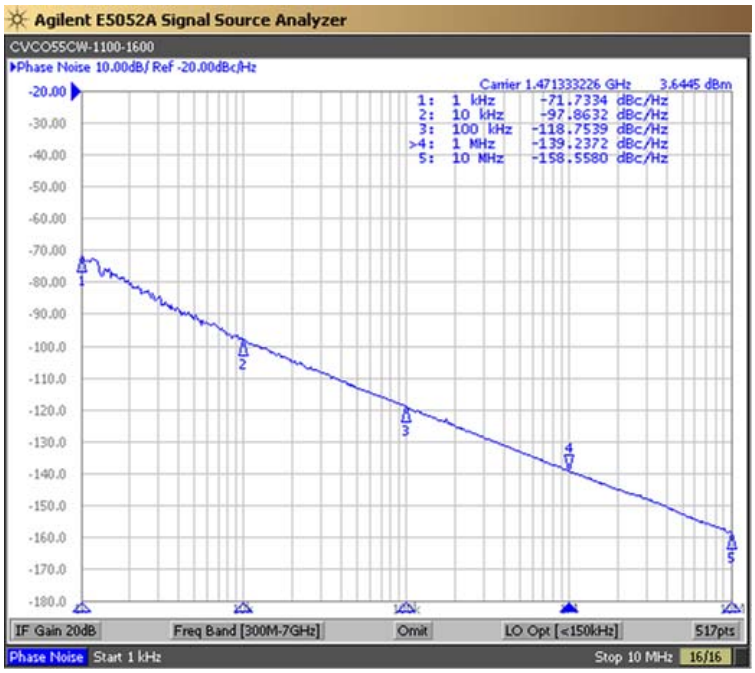
Voltage Controlled Oscillator-VCO
CVCO55CW-1100-1600

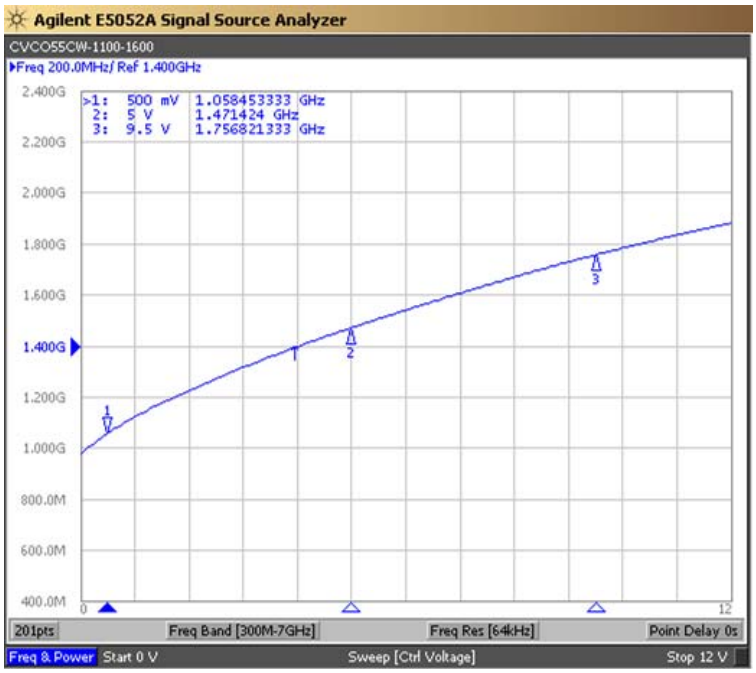
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1100	MHz
Upper Frequency:	1600			MHz
Tuning Voltage:	0.5		9.5	VDC
Supply Voltage:	9.5	10.0	10.5	VDC
Output Power:	+2.0	+4.0	+6.0	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2nd Harmonic):		-10	-5	dBc
Pushing:		0.5	2.0	MHz/V
Pulling, all Phases:		8.0	12.0	MHz pk-pk
Tuning Sensitivity:		59		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-122	-115	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

RoHS Compliant

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:			
Crystek Part Number:	CVCO55CW-1100-1600	Release Date:	08-Dec-2015
Revision Level:	G	Responsible:	C. Vales

CRYSTEK CORPORATION
12730 Commonwealth Drive • Fort Myers, Florida 33913
Phone: 239-561-3311 • 800-237-3061
Fax: 239-561-1025 • www.crystek.com

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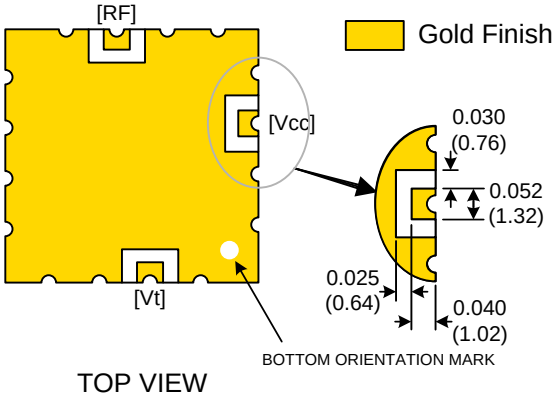
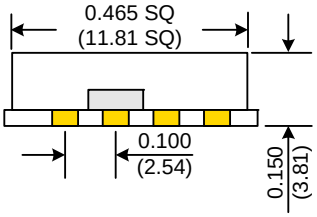
CVCO55CW-1100-1600

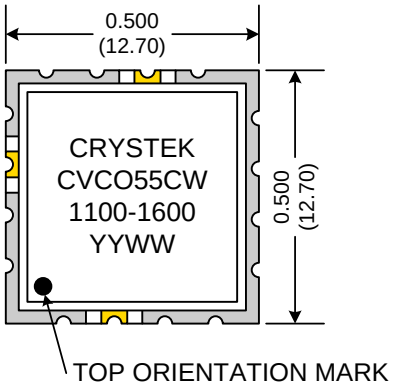
BOTTOM VIEW

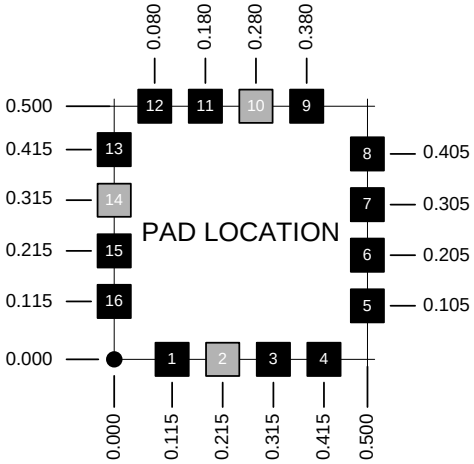


SIDE VIEW



TOP VIEW

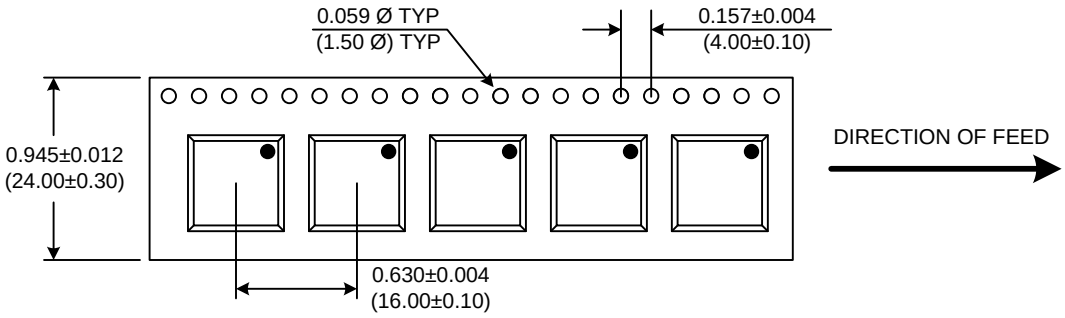




Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in: IN / (mm)
- Pad Location Dimensions are in: Inches

TAPE AND REEL



Drawing not to scale

Product Control:			
Crystek Part Number:	CVCO55CW-1100-1600	Release Date:	08-Dec-2015
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Specification is subject to change without notice

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Crystek:
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