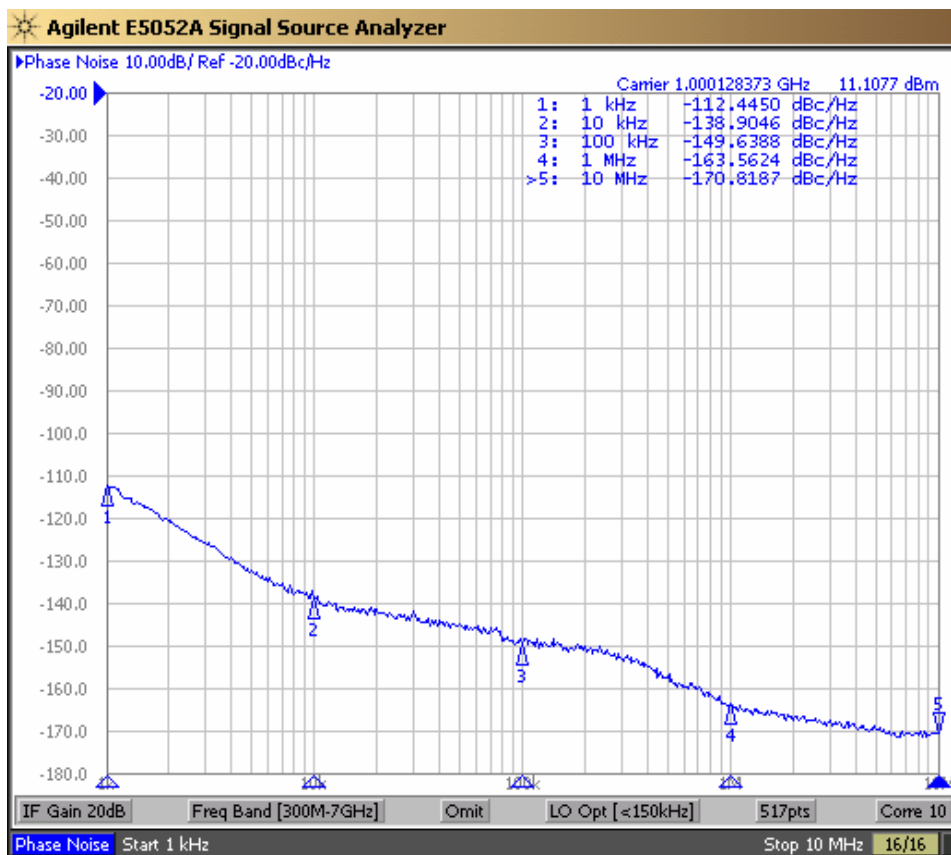




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	1000			MHz
Tuning Voltage:	0		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+11.0	+13.5	+16.0	dBm
Supply Current:		35		mA
Harmonic Suppression (2 nd Harmonic):		-10	-5	dBc
Pushing:		5.0	10.0	kHz/V
Pulling, all Phases:		7.0	10.0	kHz pk-pk
Tuning Sensitivity:		120		kHz/V
Phase Noise @ 10kHz offset:		-135	-131	dBc/Hz
Phase Noise @ 100kHz offset:		-149	-146	dBc/Hz
Phase Noise @ 1MHz offset:		-163	-160	dBc/Hz
Phase Noise @ 10MHz offset:		-170	-167	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-20		+70	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$
G-sensitivity:		0.9×10^{-9}		per g

Phase Noise (1 Hz BW, Typical)

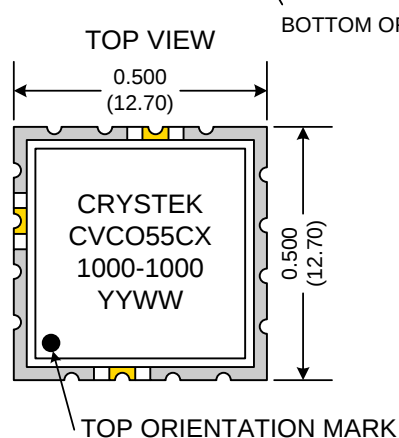
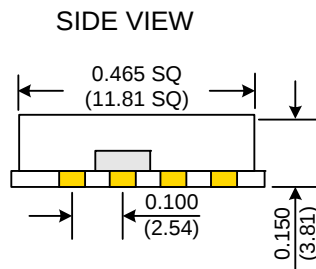
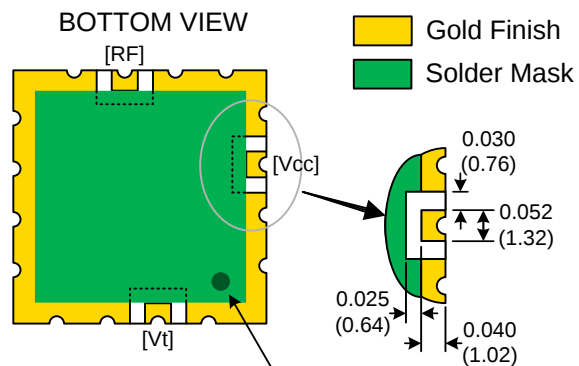




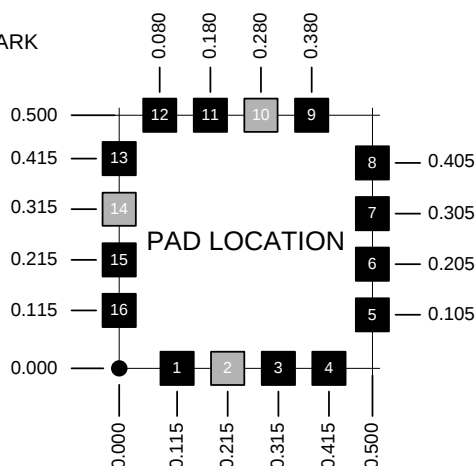
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO

CVCO55CX-1000-1000



BOTTOM ORIENTATION MARK



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:	CVCO55CX-1000-1000	Release Date:	30-Sep-2013
Revision Level:	L	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



CRYSTEK
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