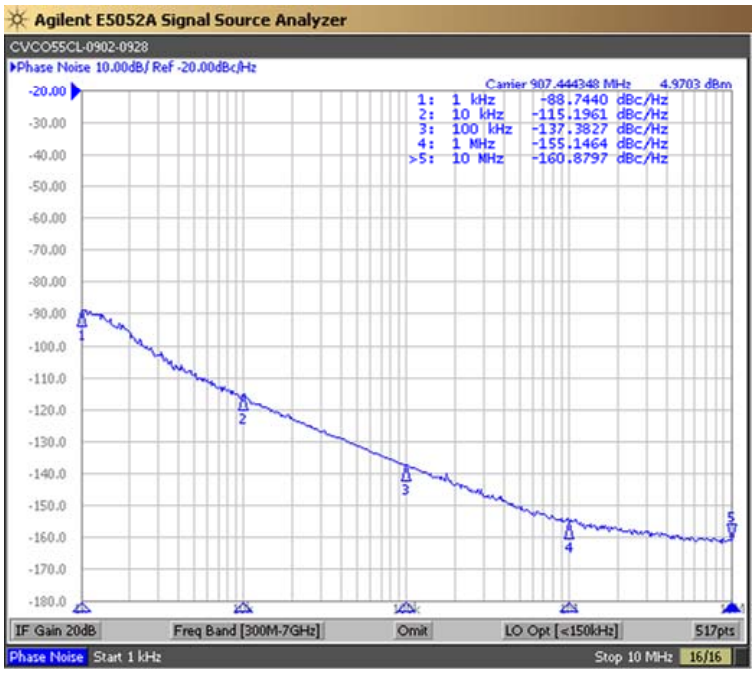
Voltage Controlled Oscillator-VCO
CVCO55CL-0902-0928

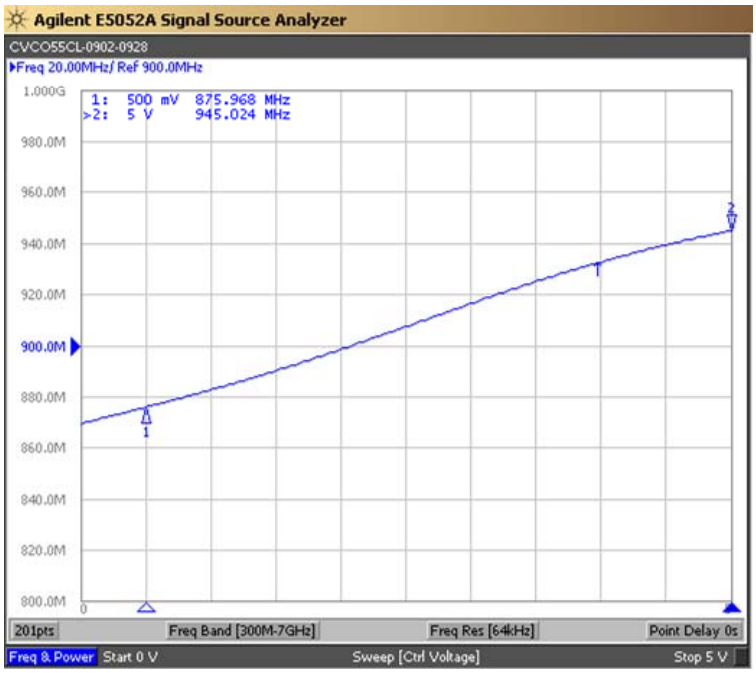
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			902	MHz
Upper Frequency:	928			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+5.0	+8.0	dBm
Supply Current:		15	20	mA
Harmonic Suppression (2nd Harmonic):		-15	-10	dBc
Pushing:			1.7	MHz/V
Pulling, all Phases:			4.4	MHz pk-pk
Tuning Sensitivity:		13		MHz/V
Phase Noise @ 10kHz offset:		-115	-110	dBc/Hz
Phase Noise @ 100kHz offset:		-134	-129	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

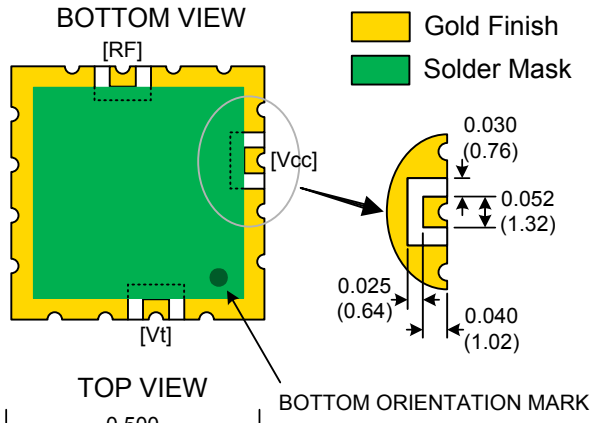
RoHS Compliant

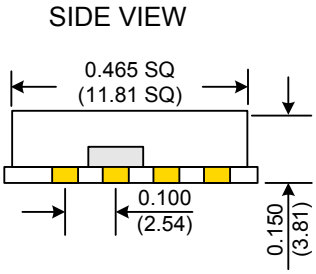
Phase Noise (1 Hz BW, Typical)

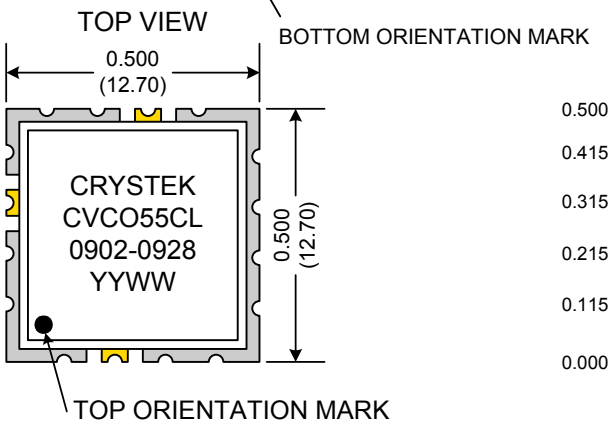


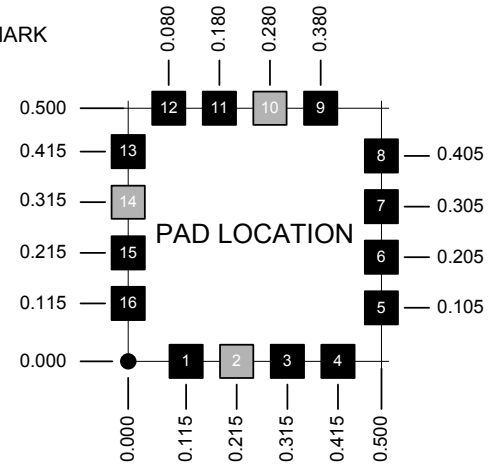
Tuning Curve (Typical)







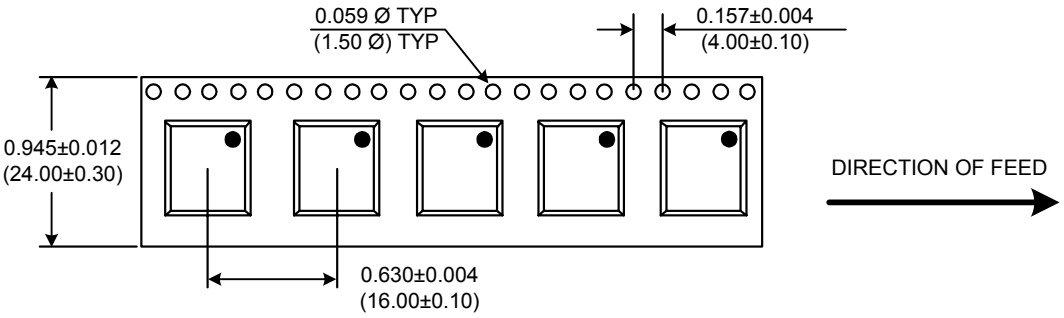




Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- 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:	CVCO55CL-0902-0928	Release Date:	28-Feb-08
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice