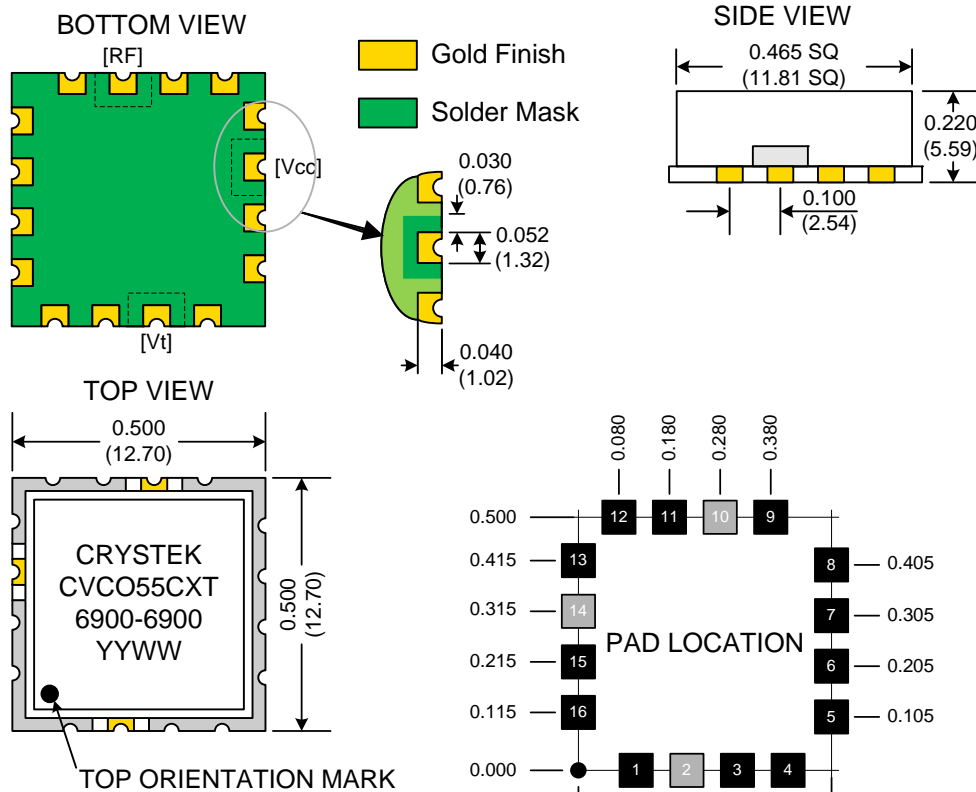


# Coaxial Resonator Oscillator-CRO

## Frequency Doubling, 2×Fundamental

### CVCO55CXT-6900-6900

PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			6900	MHz
Upper Frequency:	6900			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	0	+2.0	+4.0	dBm
Supply Current:		30	35	mA
Harmonic, $F \times (0.5)$ :		-30	-20	dBc
Harmonic, $F \times (1.5)$ :		-35	-25	dBc
Harmonic, $F \times (2.0)$ :		-30	-20	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		10		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			10	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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



**Product Control:**

Crystek Part Number:	CVCO55CXT-6900-6900	Release Date:	18-Dec-2013
Revision Level:	D	Responsible:	C. Vales