

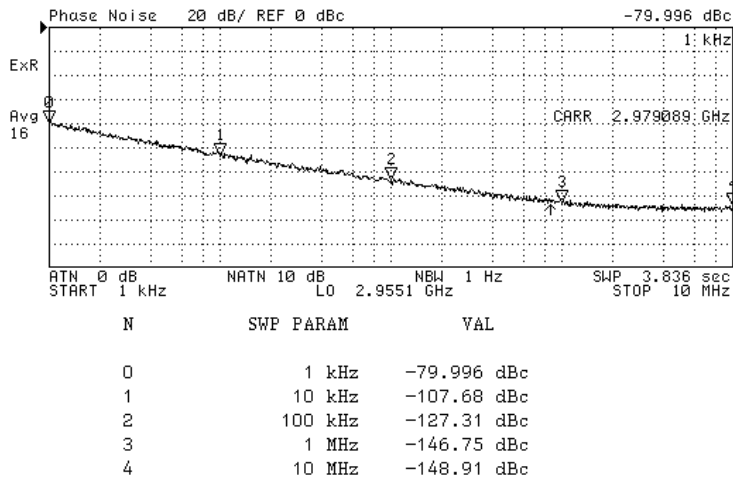


# Coaxial Resonator Oscillator-CRO CVCO55CC-2900-3400

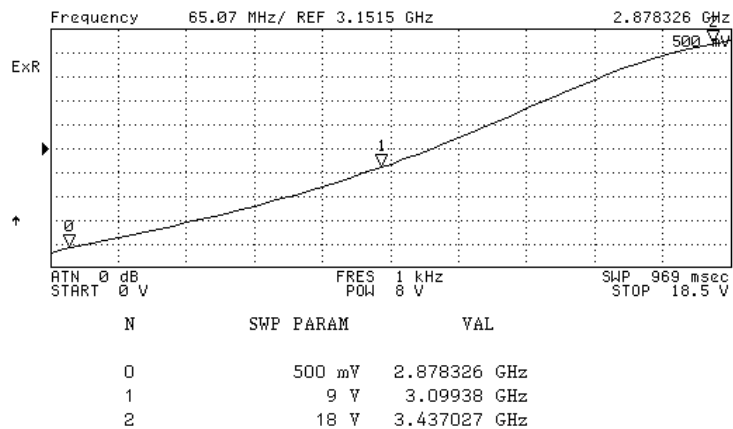


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2900	MHz
Upper Frequency:	3400			MHz
Tuning Voltage:	0.5		18	VDC
Supply Voltage:	7.8	8.0	8.2	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:			35	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)			-10	dBc
Pushing:		1.0	2.0	MHz/V
Pulling, all Phases:		0.5	2.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-107	-102	dBc/Hz
Phase Noise @ 100kHz offset:		-127	-122	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			15	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

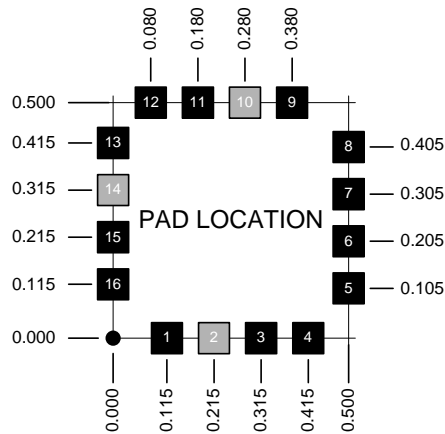
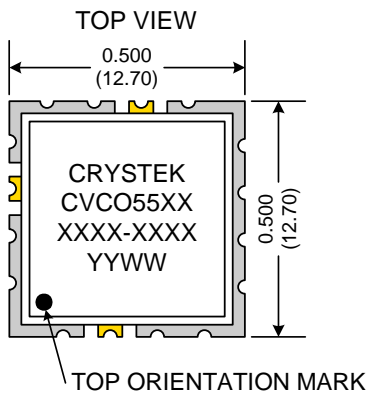
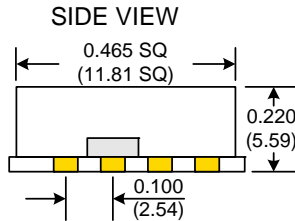
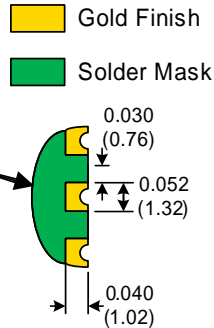
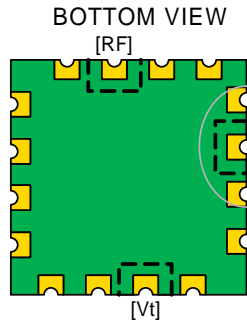
## Phase Noise (1 Hz BW, Typical)



## Tuning Curve, Typical

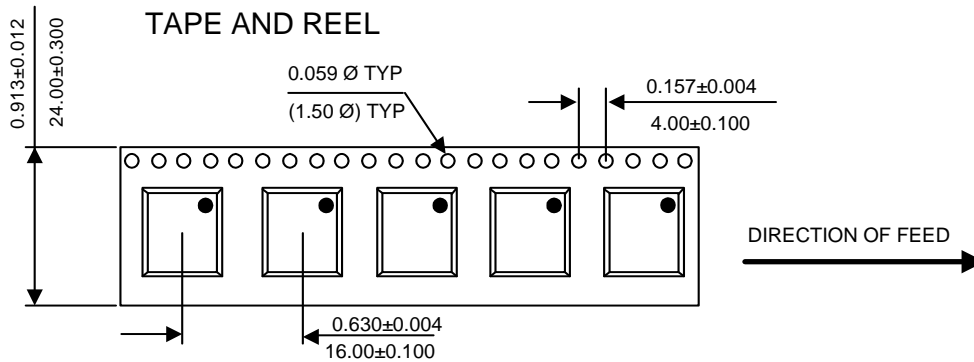


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Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches



Drawing not to scale

**Product Control:**

Crystek Part Number:	CVCO55CC-2900-3400	Release Date:	12-July-07
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice