



CRYSTEK  
MICROWAVE  
A DIVISION OF CRYSTEK CORPORATION

查询CVCO55CM-0760-0870供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

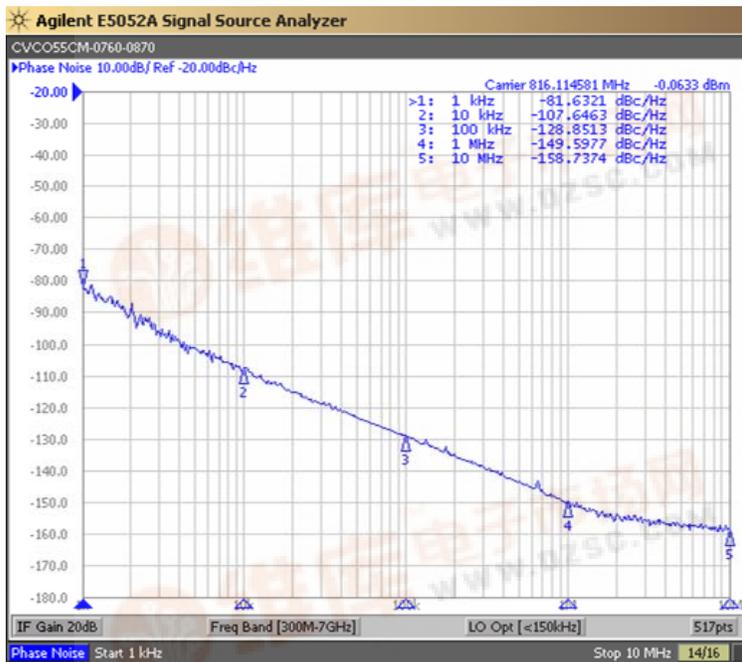
# Voltage Controlled Oscillator-VCO

## CVCO55CM-0760-0870

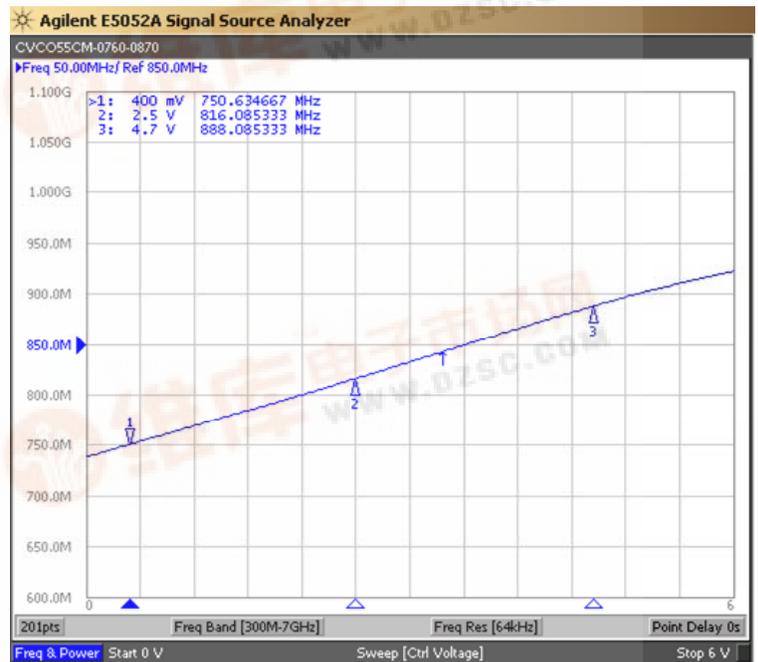


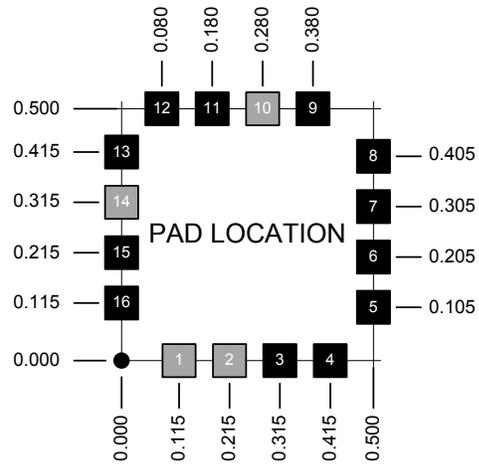
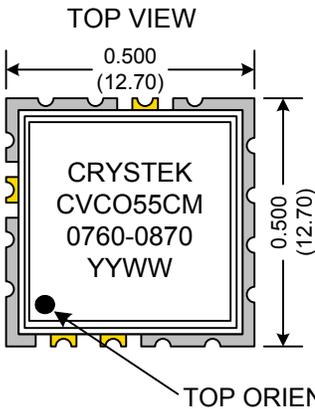
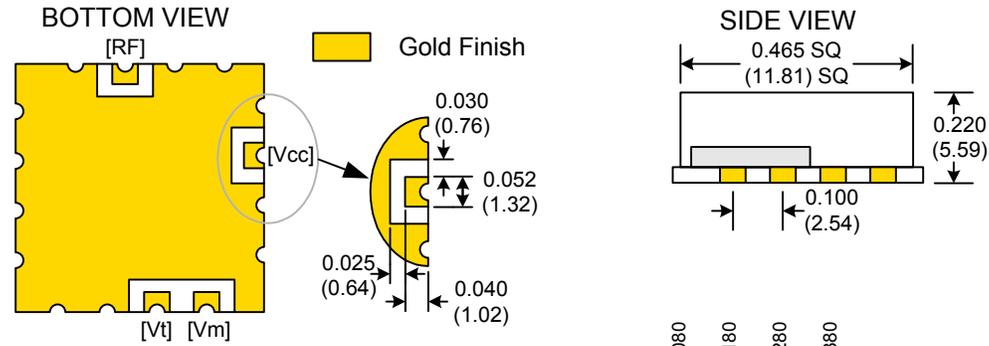
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			760	MHz
Upper Frequency:	870			MHz
Tuning Voltage:	0.4		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-2.0	0	+2.0	dBm
Supply Current:		20	25	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-15	-10	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	3.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-110	-106	dBc/Hz
Phase Noise @ 100kHz offset:		-134	-130	dBc/Hz
TX Mod Sensitivity:		-20		kHz/V
TX Mod Capacitance:		100		pF
Load Impedance:		50		$\Omega$
Input Capacitance:		47	50	pF
Operating Temperature Range:	-30		+70	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)

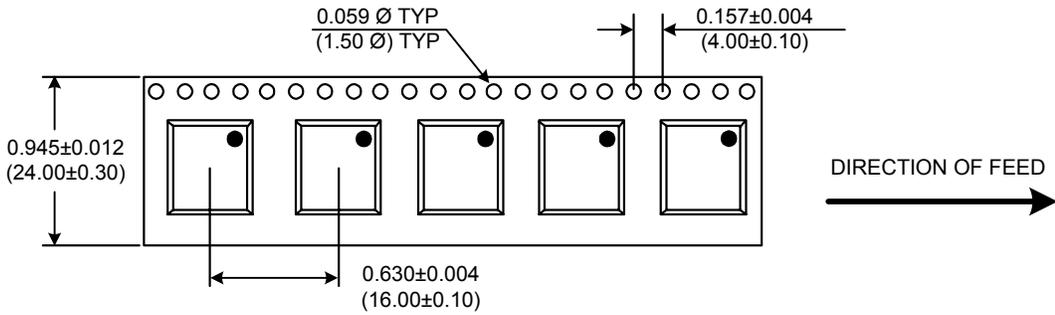




Pad	Connection
1	Vm
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- 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:	CVCO55CM-0760-0870	Release Date:	17-Apr-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice