

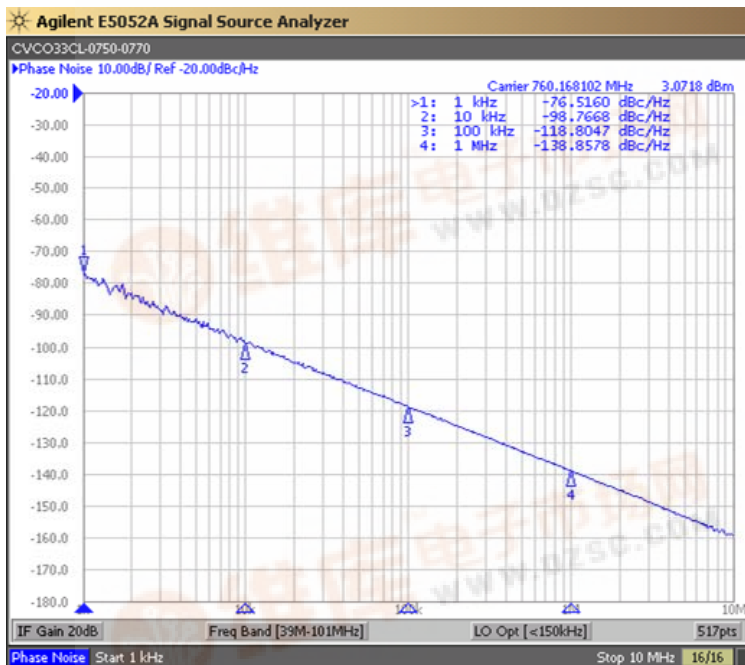
# Voltage Controlled Oscillator-VCO

## CVCO33CL-0750-0770

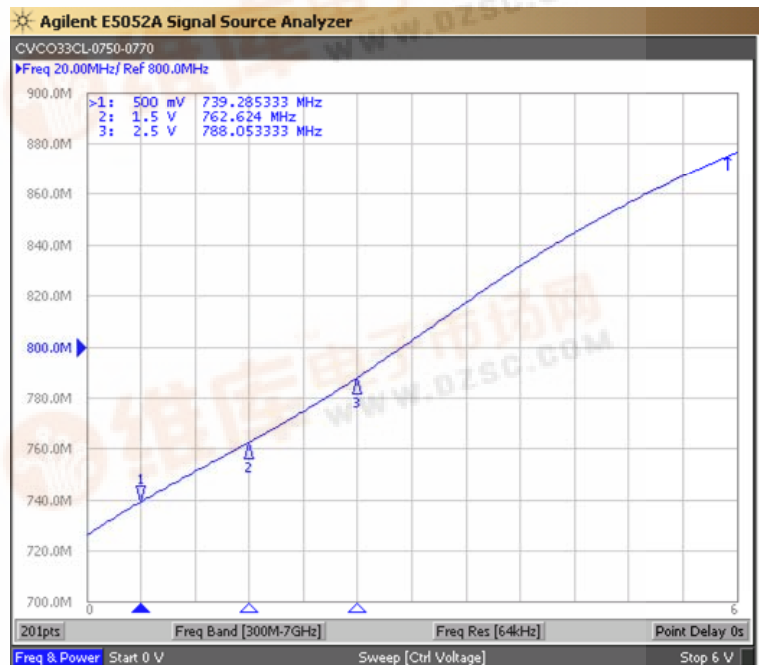


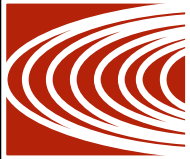
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			750	MHz
Upper Frequency:	770			MHz
Tuning Voltage:	0.5		2.5	VDC
Supply Voltage:	2.565	2.7	2.835	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:			11	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-20	-15	dBc
Pushing:		1.0		MHz/V
Pulling, all Phases:		3.0		MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-100		dBc/Hz
Phase Noise @ 100kHz offset:		-121		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			35	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)

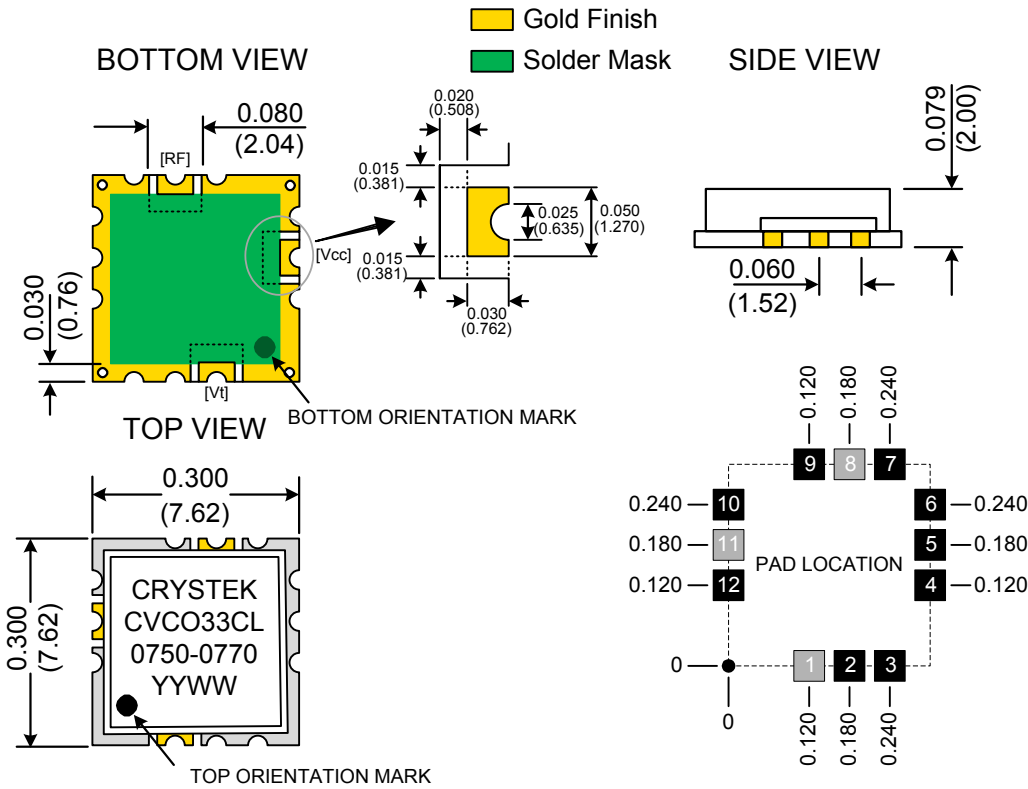




**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

# Voltage Controlled Oscillator-VCO

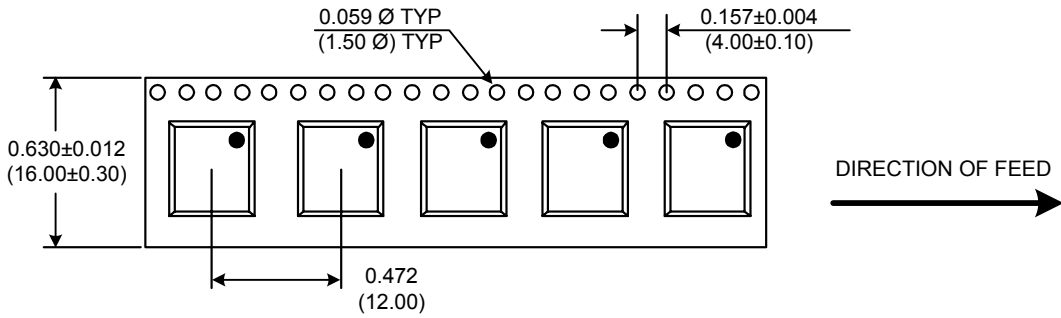
## CVCO33CL-0750-0770



Pad	Connection
1	Vt
8	RF-OUTPUT
11	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:	CVCO33CL-0750-0770	Release Date:	20-March-08
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice