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MICROWAVE
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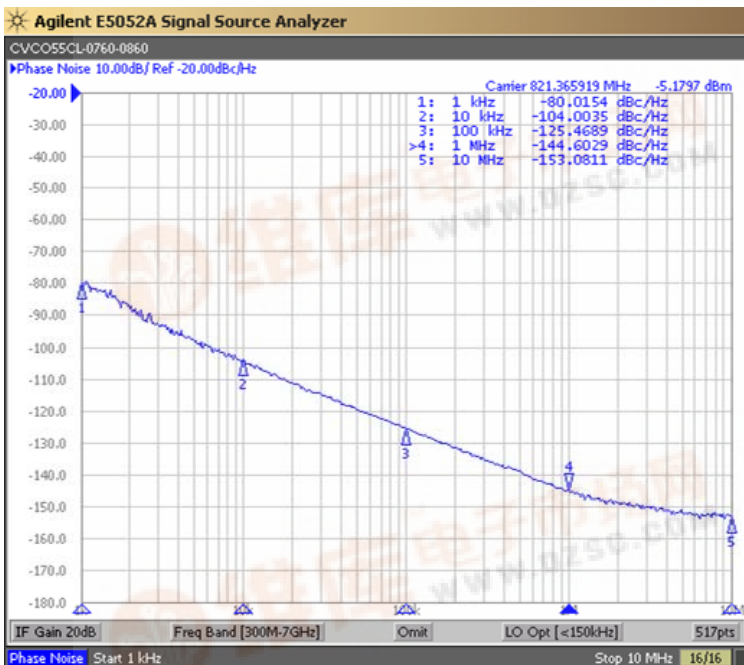
Voltage Controlled Oscillator-VCO

CVCO55CL-0760-0860

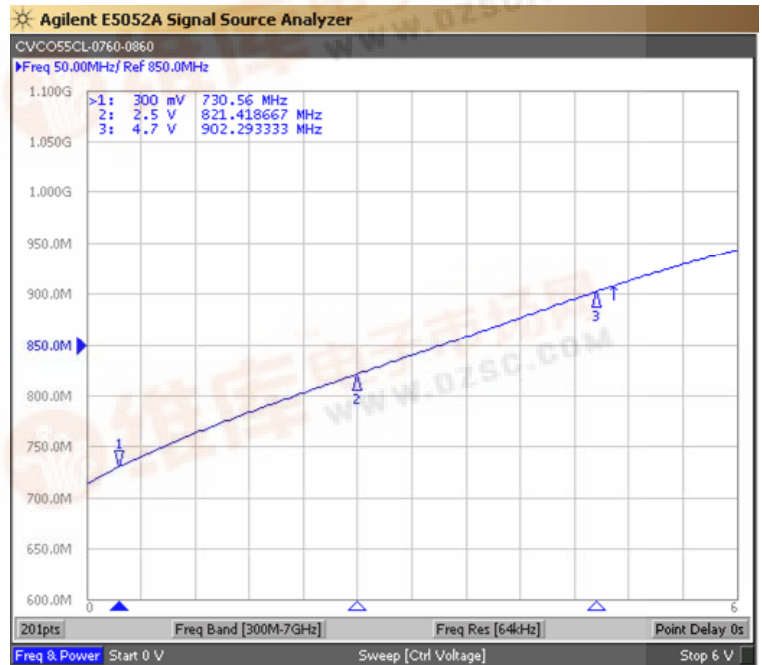


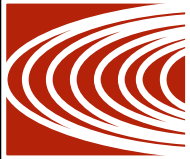
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			760	MHz
Upper Frequency:	860			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	1.9	2.0	2.1	VDC
Output Power:	-5.0	-4.0	-3.0	dBm
Supply Current:			22	mA
Harmonic Suppression (2 nd Harmonic):		-15		dBc
Pushing:			1.5	MHz/V
Pulling, all Phases:			1.0	MHz pk-pk
Tuning Sensitivity:		40		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-130	-126	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)

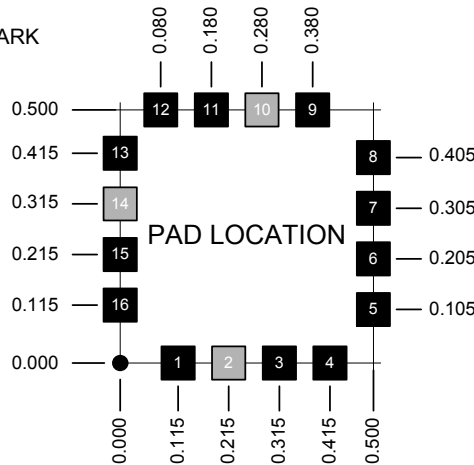
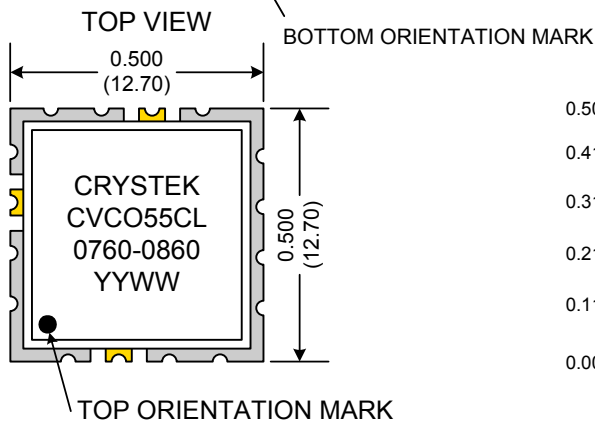
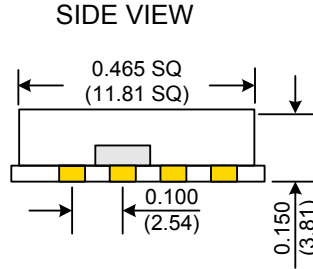
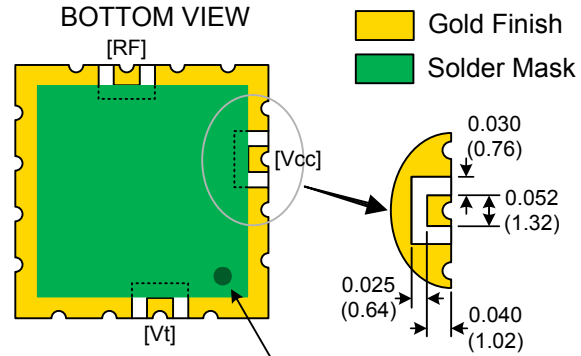




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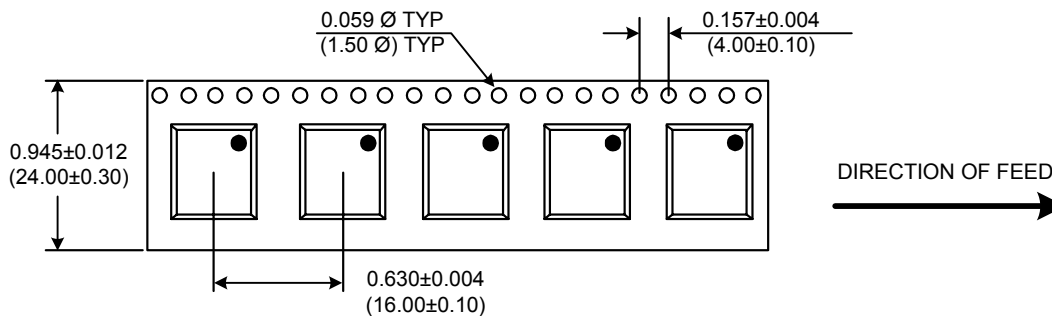
CVCO55CL-0760-0860



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

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55CL-0760-0860	Release Date:	12-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice



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