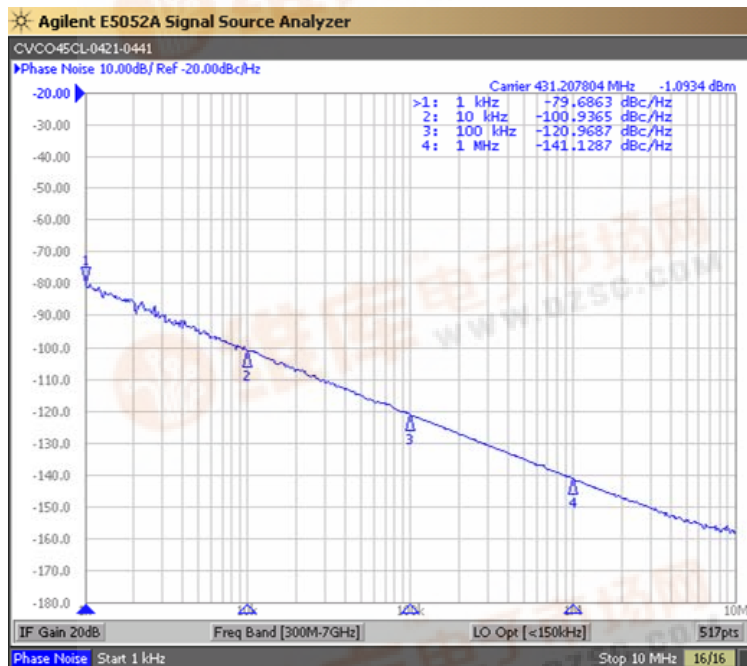
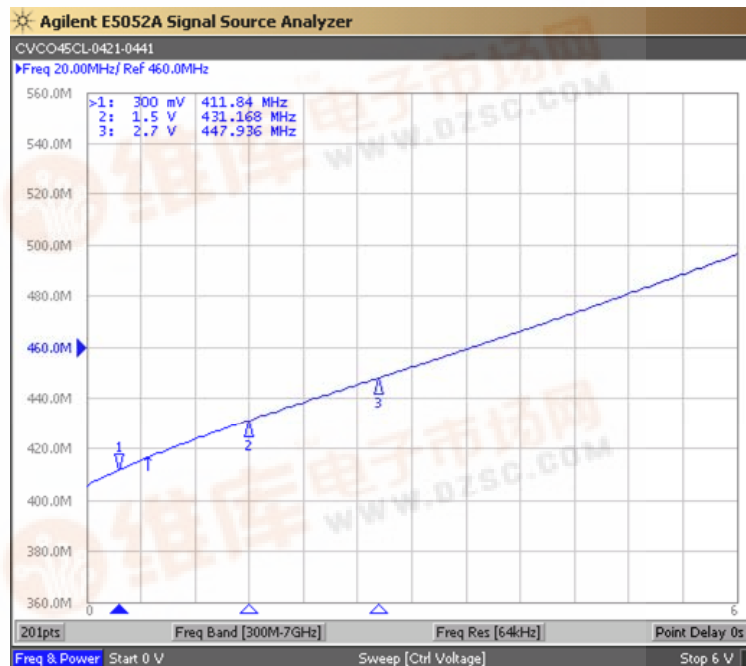


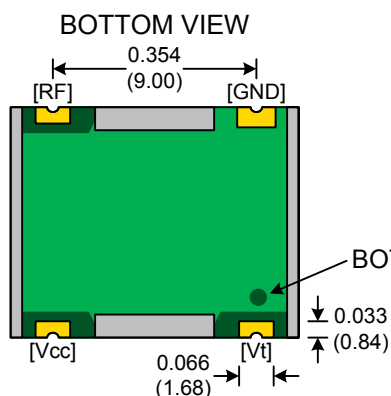
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			421	MHz
Upper Frequency:	441			MHz
Tuning Voltage:	0.3		2.7	VDC
Supply Voltage:	2.85	3.0	3.15	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10		mA
Harmonic Suppression (2 nd Harmonic):		-15		dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		15		MHz/V
Phase Noise @ 10kHz offset:		-100	-98	dBc/Hz
Phase Noise @ 100kHz offset:		-118		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	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)

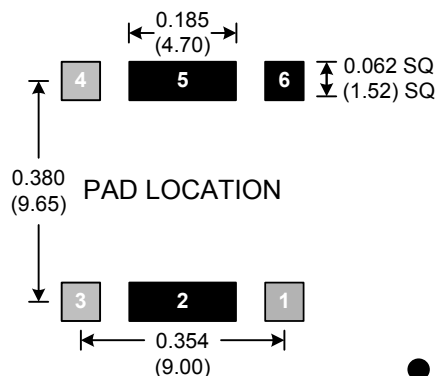
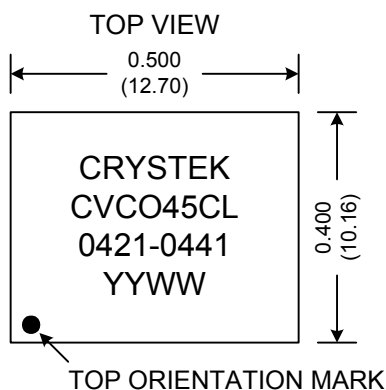




SIDE VIEW



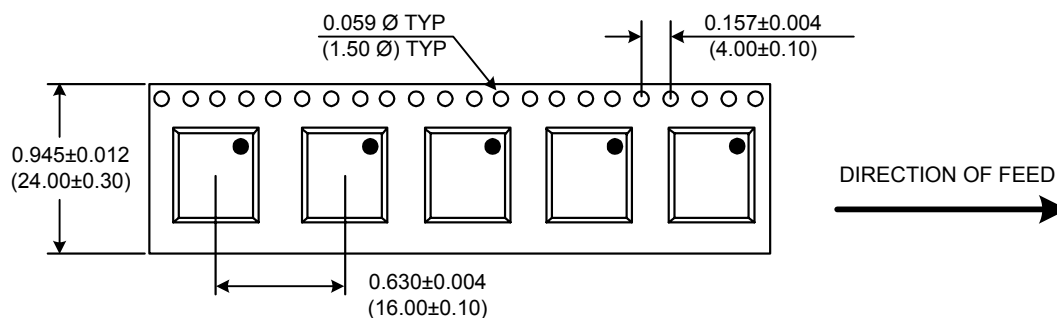
BOTTOM ORIENTATION MARK



Pad	Connection
1	Vt
3	Vcc
4	RF-OUTPUT
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:	CVCO45CL-0421-0441	Release Date:	24-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice

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