

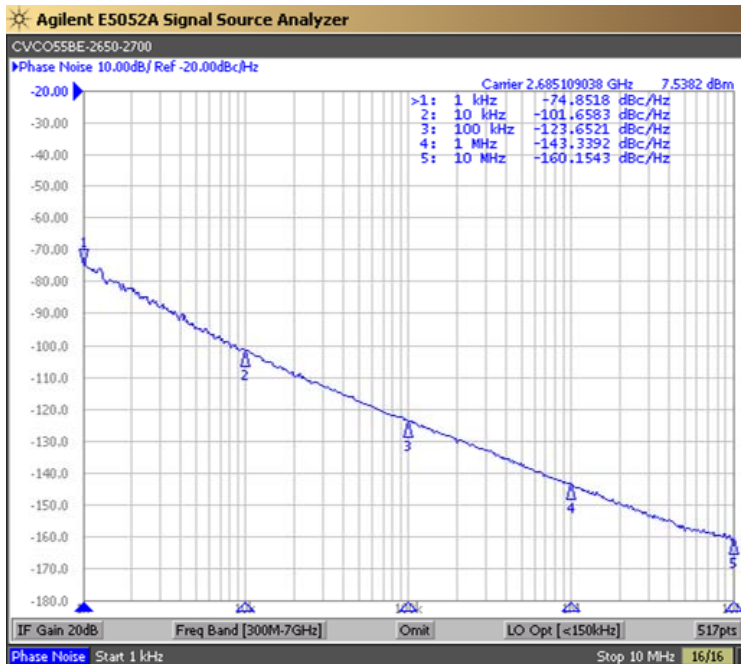
Voltage Controlled Oscillator-VCO

CVCO55BE-2650-2700

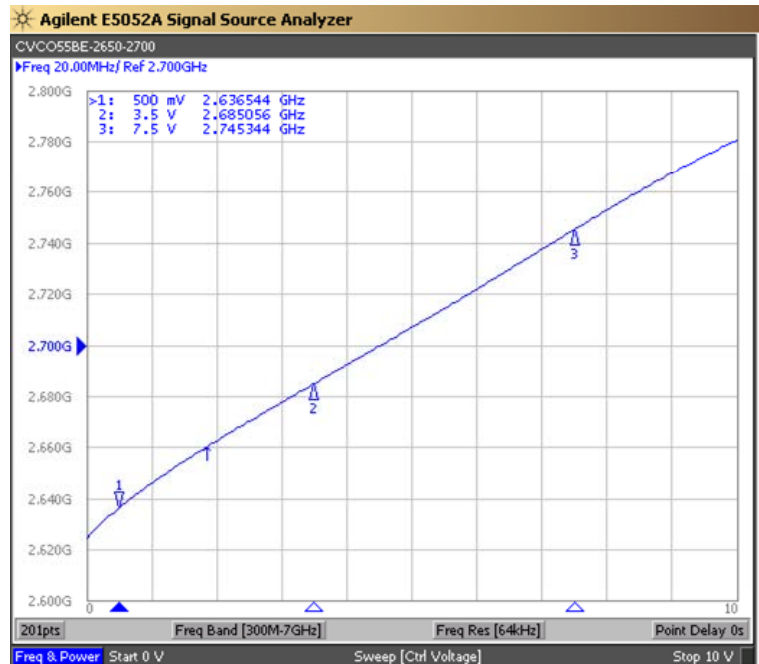


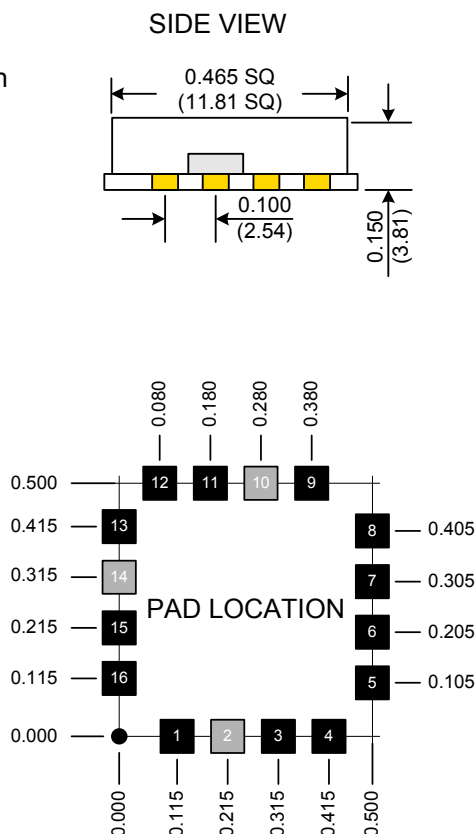
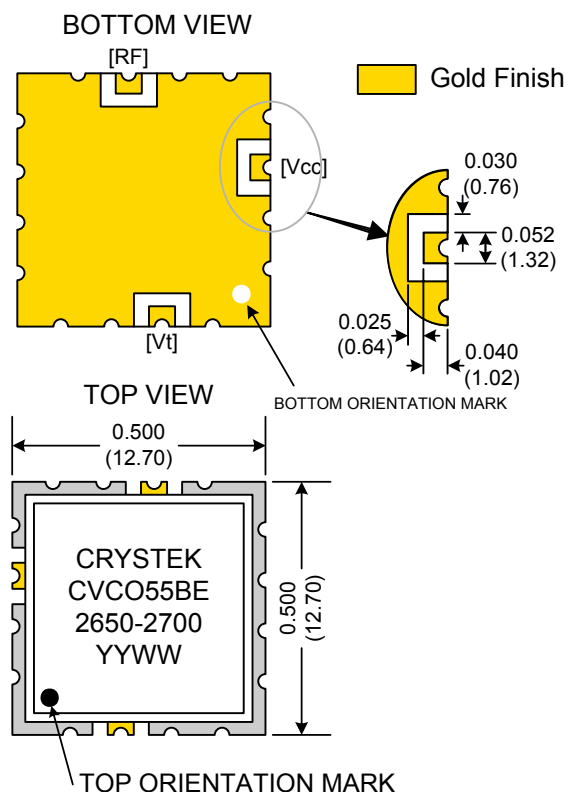
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2650	MHz
Upper Frequency:	2700			MHz
Tuning Voltage:	0.5		7.5	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		2.0	5.0	MHz/V
Pulling, all Phases:		2.0	5.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-103	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-125	-121	dBc/Hz
Load Impedance:		50		Ω
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)

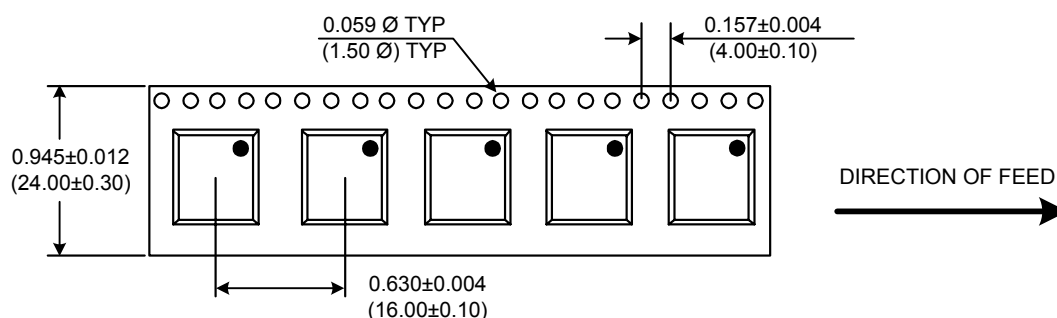




Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- 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:	CVCO55BE-2650-2700	Release Date:	18-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice