

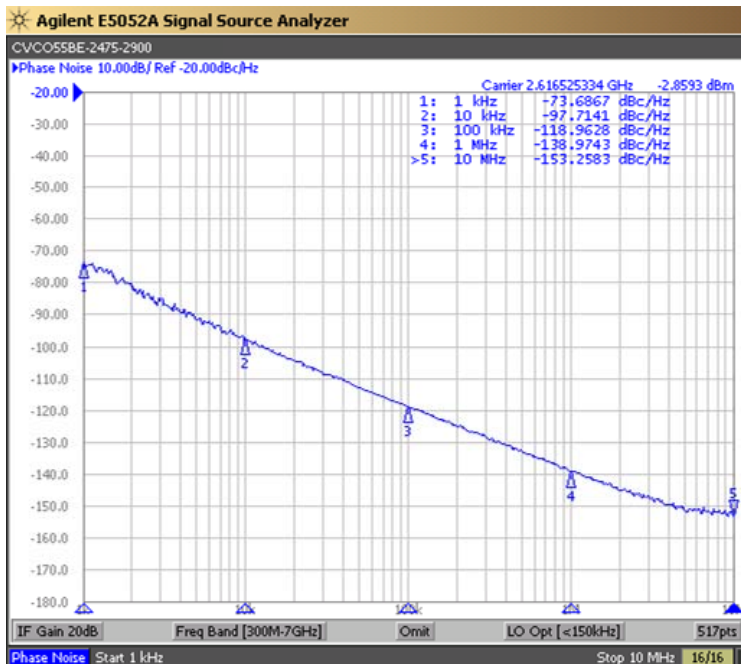
Voltage Controlled Oscillator-VCO

CVCO55BE-2475-2900

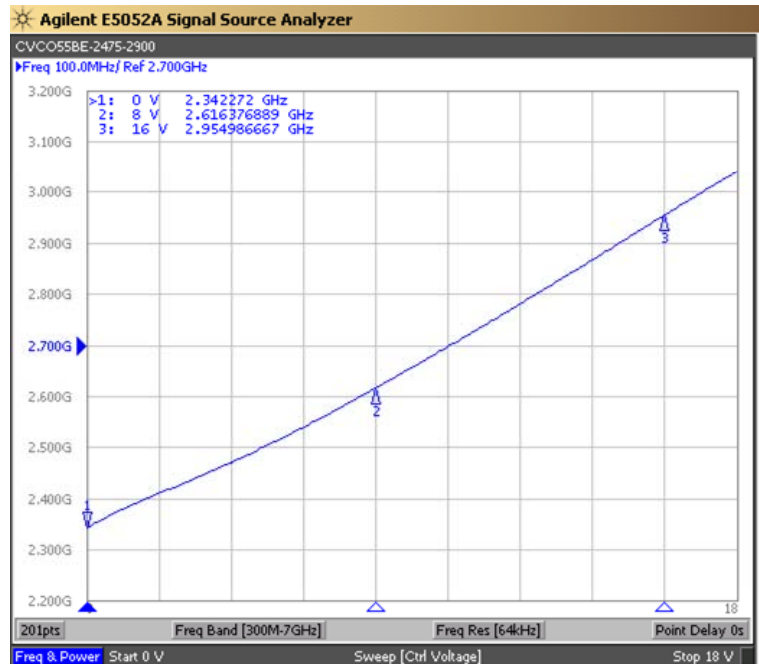


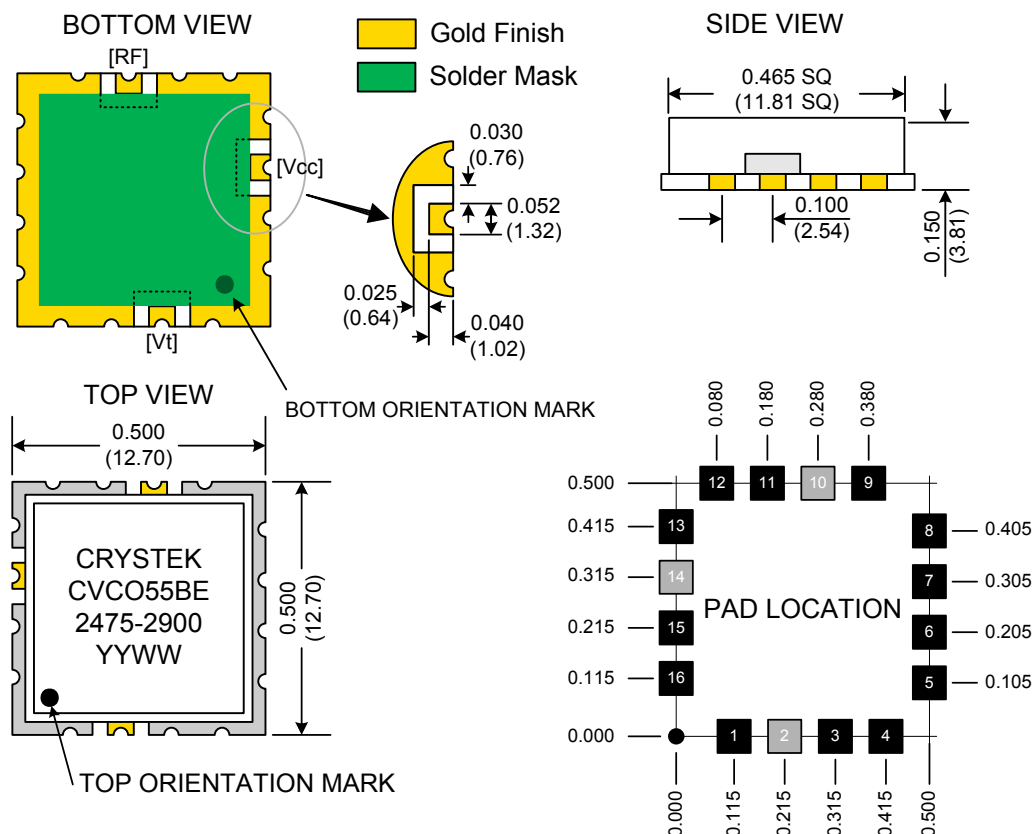
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2475	MHz
Upper Frequency:	2900			MHz
Tuning Voltage:	0		16.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	-5.0	-2.5	0	dBm
Supply Current:		28		mA
Harmonic Suppression (2 nd Harmonic):		-15	-8	dBc
Pushing:		0.5		MHz/V
Pulling, all Phases:		1.0		MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-115	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+75	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)

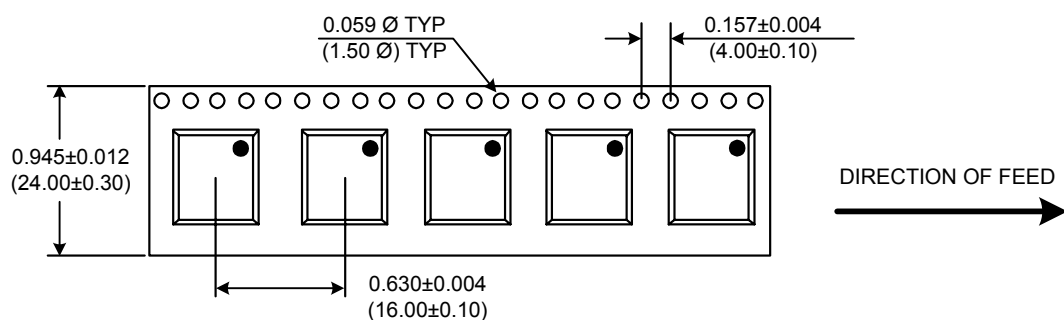


Tuning Curve (Typical)





TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-2475-2900	Release Date:	12-March-08
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2