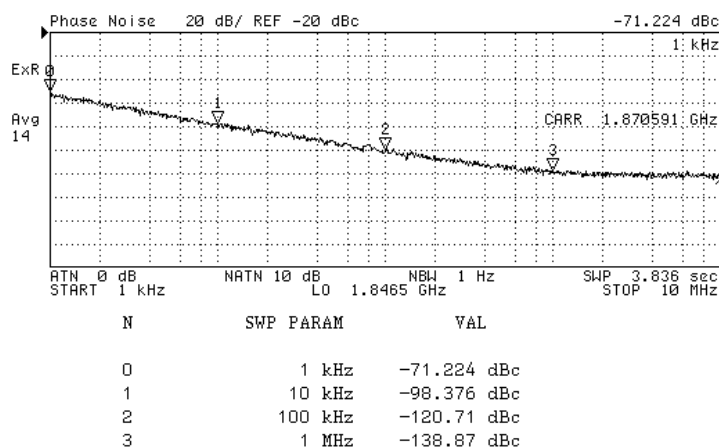


Voltage Controlled Oscillator-VCO CVCO55BE-1950-2150

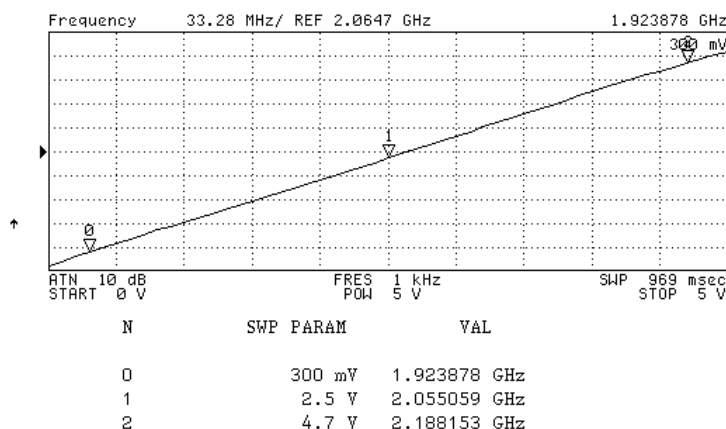


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1950	MHz
Upper Frequency:	2150			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		16	25	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		1.0	3.0	MHz/V
Pulling, all Phases:		4.0	10.0	MHz pk-pk
Tuning Sensitivity:		72		MHz/V
Phase Noise @ 10kHz offset:		-96	-92	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-116	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)

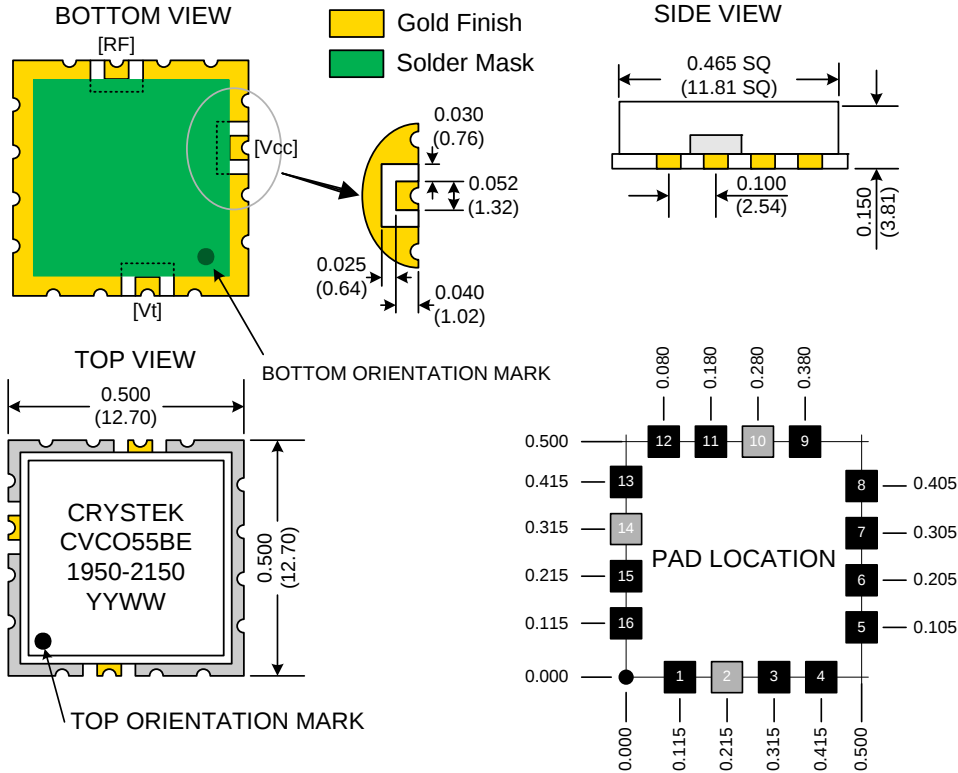


Tuning Curve (Typical)

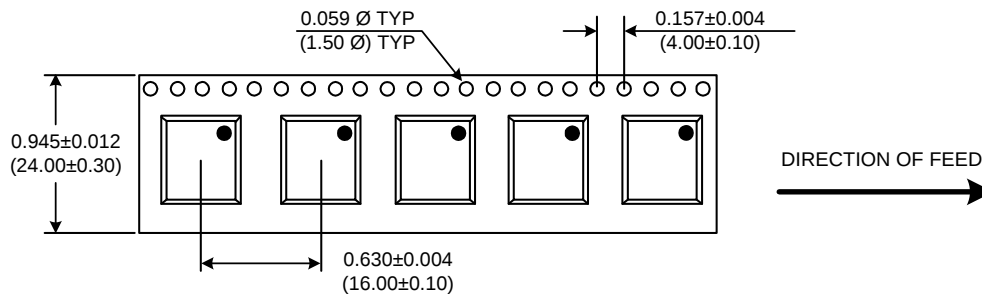


Voltage Controlled Oscillator-VCO

CVCO55BE-1950-2150



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-1950-2150	Release Date:	14-Feb-08
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice

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