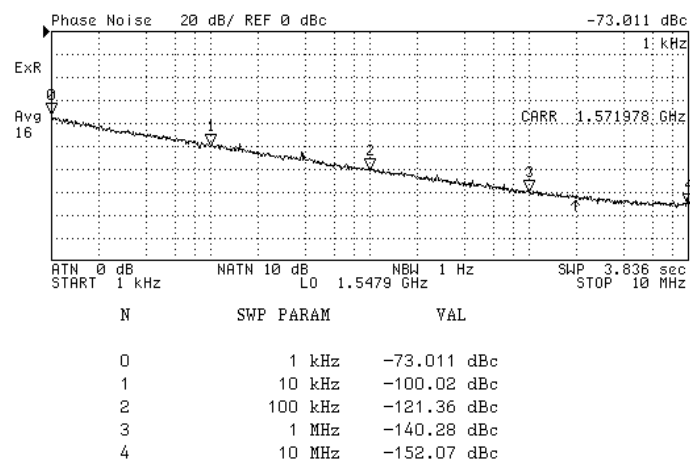


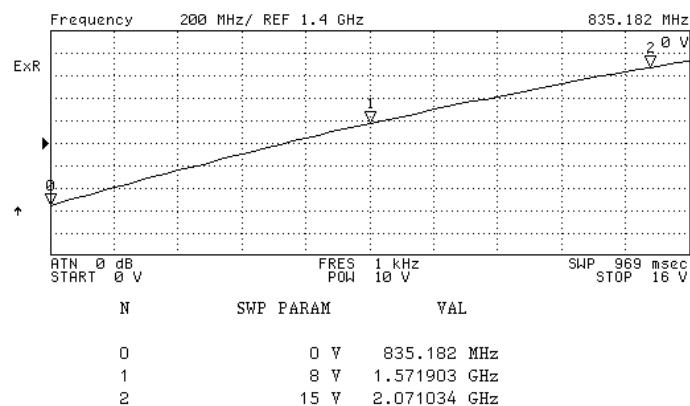


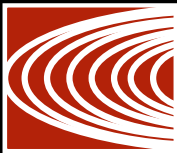
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			950	MHz
Upper Frequency:	2050			MHz
Tuning Voltage:	0		15.0	VDC
Supply Voltage:	9.5	10.0	10.5	VDC
Output Power:	-1.0	+2.0	+5.0	dBm
Supply Current:		17	20	mA
Harmonic Suppression (2 nd Harmonic):		-30		dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			5.0	MHz pk-pk
Tuning Sensitivity:		80		MHz/V
Phase Noise @ 10kHz offset:		-99		dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			500	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)



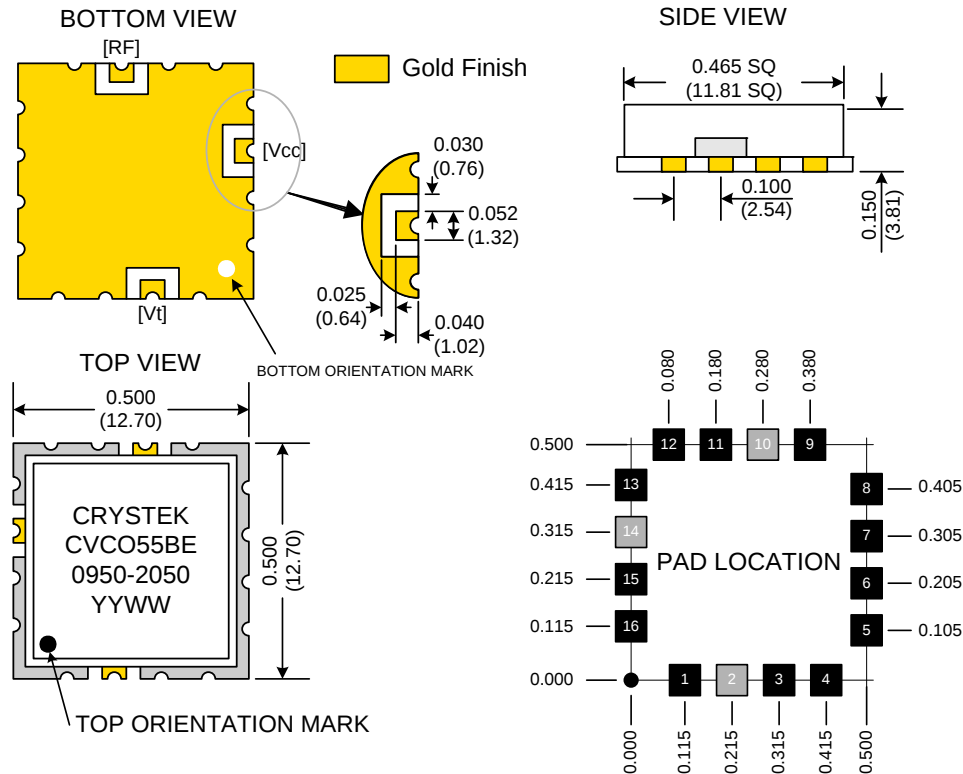
Tuning Curve (Typical)



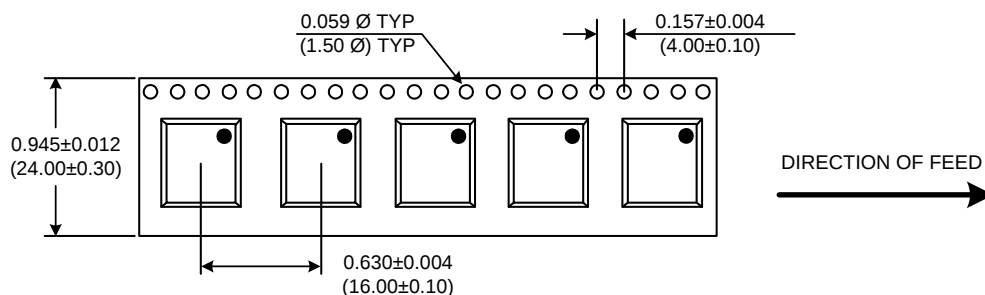


CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO CVCO55BE-0950-2050



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-0950-2050	Release Date:	21-Feb-08
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



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