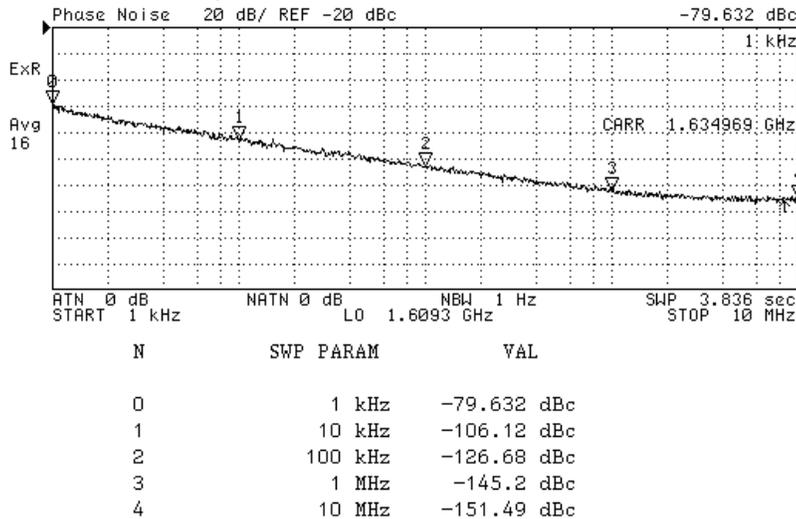
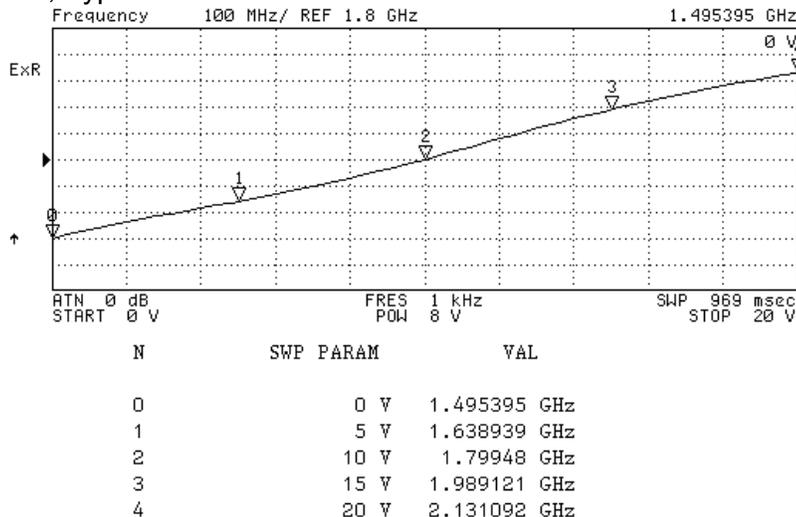


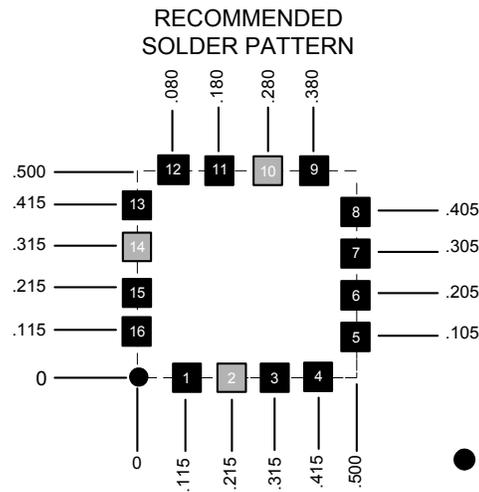
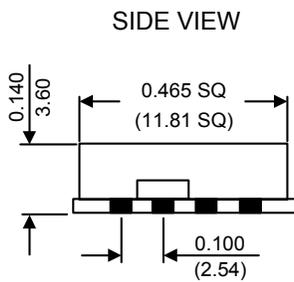
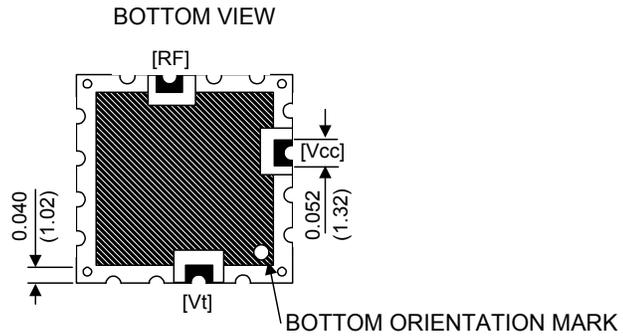
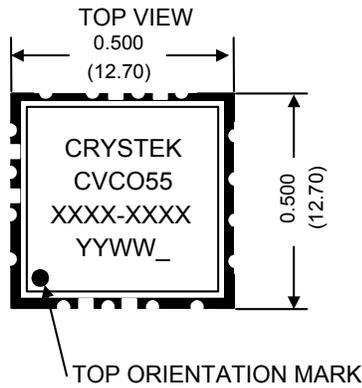
AVAILABLE PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS	
Lower Frequency:			1650	MHz	
Upper Frequency:	2050			MHz	
Tuning Voltage:	0		20	VDC	
Supply Voltage:	7.6	8.0	8.4	VDC	
Output Power:	-5	-2.5	0	dBm	
Supply Current:		28		mA	
Harmonic Suppression (2nd Harmonic):		-15	-8	dBc	
Pushing:		0.5		MHz/V	
Pulling, all Phases:		1		MHz	
Tuning Sensitivity:		25		MHz/V	
Phase Noise @ 1kHz offset:		-80	-75	dBc/Hz	
	@ 10kHz offset:		-105	-100	dBc/Hz
	@ 100kHz offset:		-128	-124	dBc/Hz
	@ 1MHz offset:		-148	-144	dBc/Hz
Load Impedance:		50		$\Omega$	
Input Capacitance:			47	pF	
Operating Temperature Range:	-40		+75	$^{\circ}\text{C}$	

### Phase Noise (1 Hz BW, Typical)



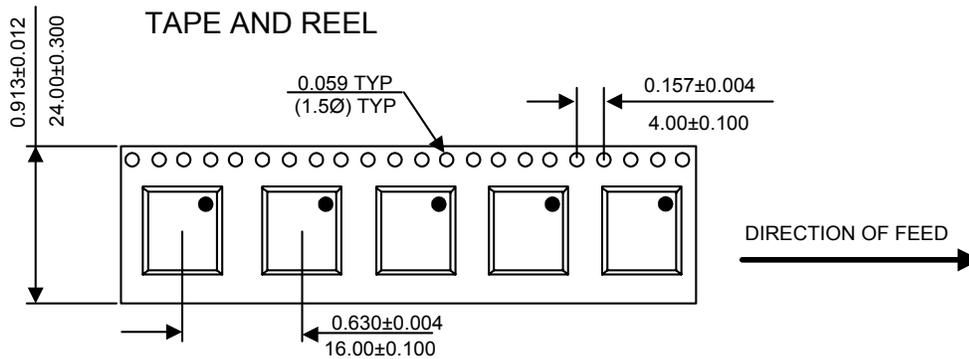
### Tuning Curve, Typical





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

- Unless otherwise specified, Dimensions are in: IN (mm)
- Recommended Solder Pattern dimension are in: Inches



Drawing not to scale

Product Control:			
Crystek Part Number:	CVCO55BE-1650-2050	Release Date:	22-Jun-04
Revision Level:	A	Responsible:	C. Vales