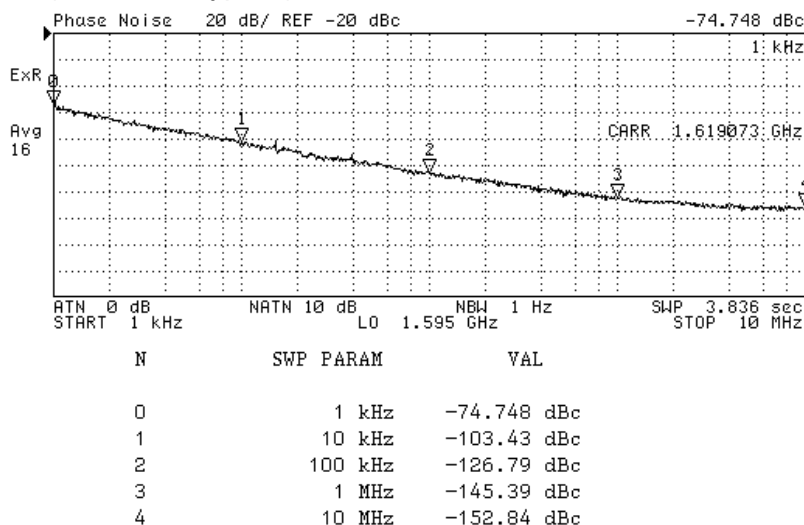
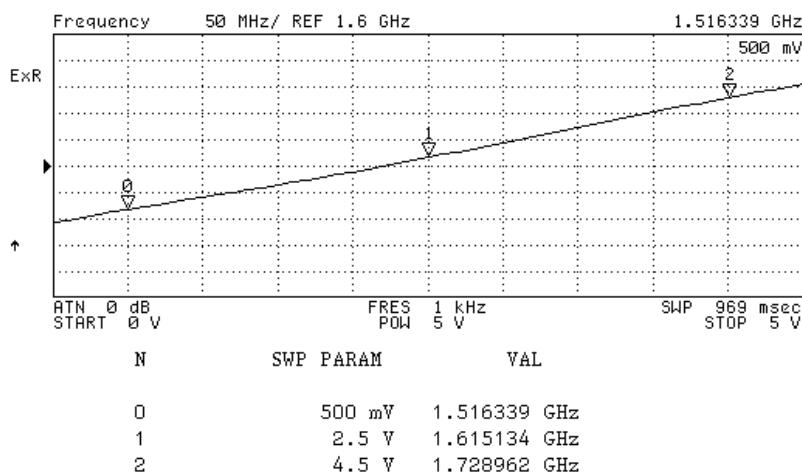


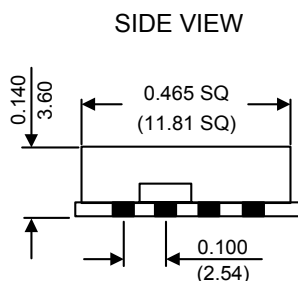
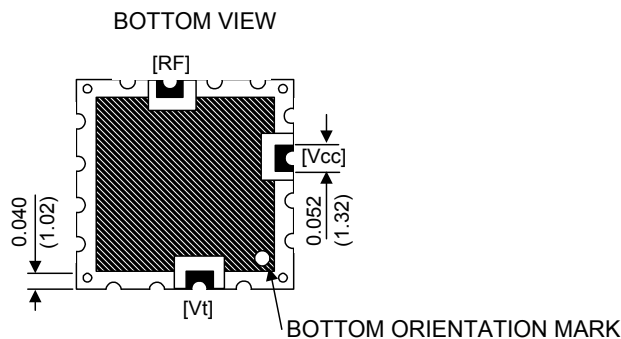
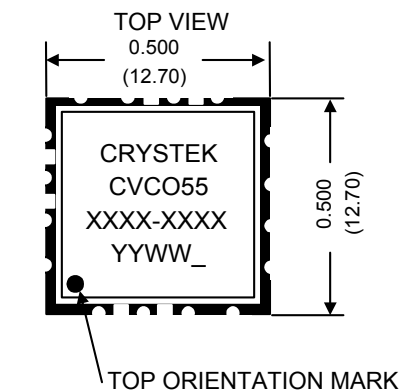
AVAILABLE PERFORMANCE SPECIFICATION		MIN	TYP	MAX	UNITS
Lower Frequency:				1550	MHz
Upper Frequency:		1650			MHz
Tuning Voltage:		0.5		4.5	VDC
Supply Voltage:		4.75	5.0	5.25	VDC
Output Power:		0	+2	+6	dBm
Supply Current:		14	17	20	mA
Harmonic Suppression (2nd Harmonic):			-15	-10	dBc
Pushing:			1	3	MHz/V
Pulling, all Phases:			4	6	MHz
Tuning Sensitivity:			45		MHz/V
Phase Noise	@ 1kHz offset:		-75	-72	dBc/Hz
	@ 10kHz offset:		-102	-98	dBc/Hz
	@ 100kHz offset:		-122	-118	dBc/Hz
	@ 1MHz offset:		-142	-138	dBc/Hz
	@ 10MHz offset:		-155	-150	dBc/Hz
Load Impedance:			50		Ω
Input Capacitance:				50	pF
Operating Temperature Range:		-40		+85	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)

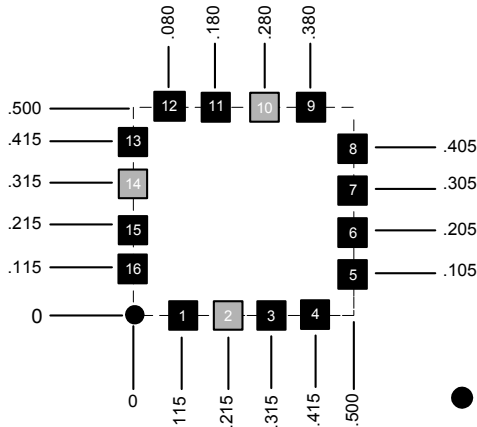


Tuning Curve, Typical



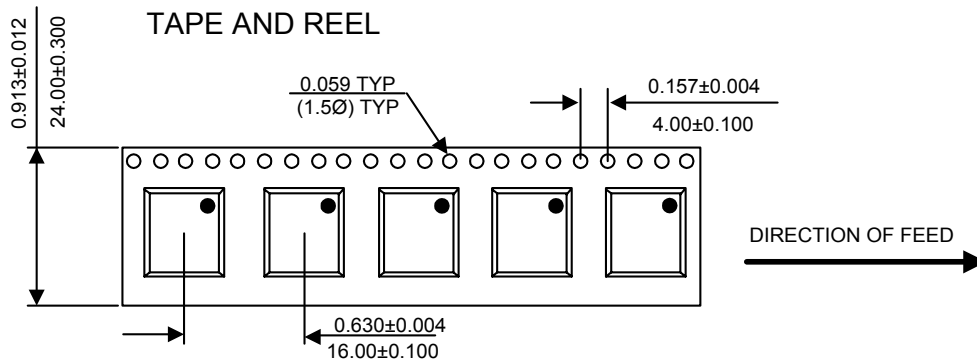


RECOMMENDED SOLDER PATTERN



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-1550-1650	Release Date:	29-Jan-04
Revision Level:	A	Responsible:	C. Vales