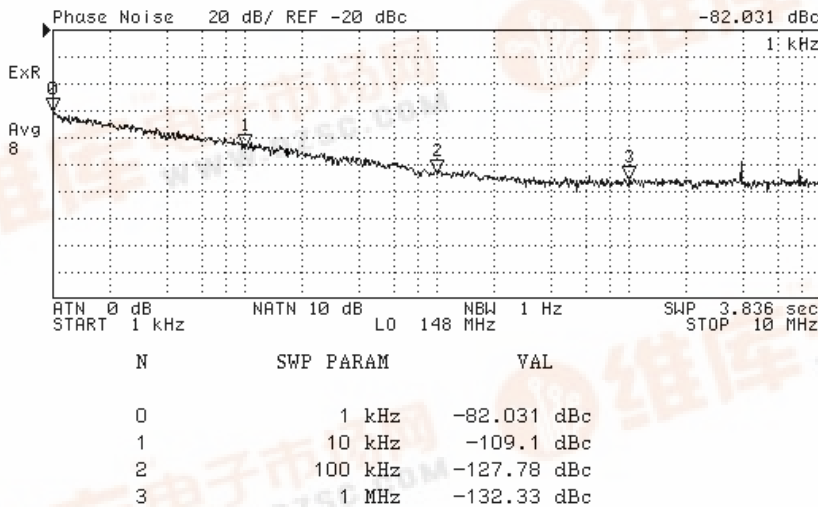


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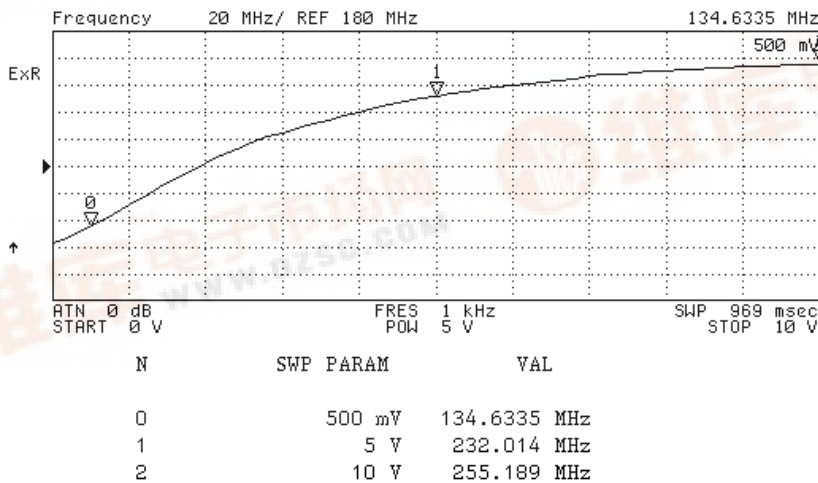
## Voltage Controlled Oscillator-VCO CVCO55CW-0140-0250

AVAILABLE PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			140	MHz
Upper Frequency:	250			
Tuning Voltage:	0.5		10	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	1.0	3.0	+5.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2nd Harmonic):		-14		dBc
Pushing:		0.5	1.5	MHz/V
Pulling, all Phases:		1	2	MHz
Tuning Sensitivity:		55		MHz/V
Phase Noise: @ 10kHz offset:		-106		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)

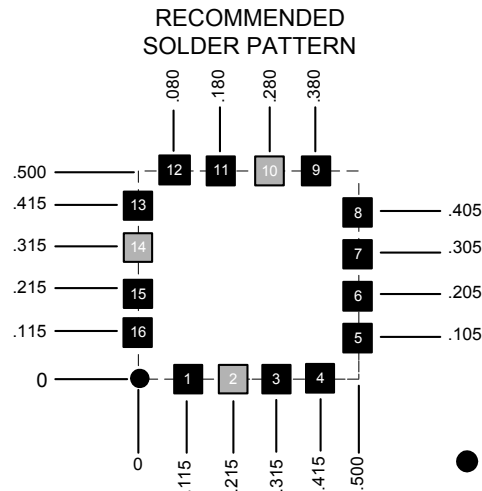
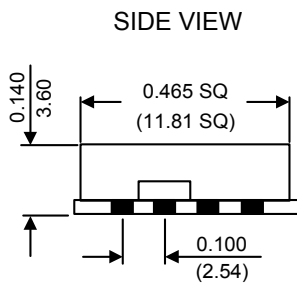
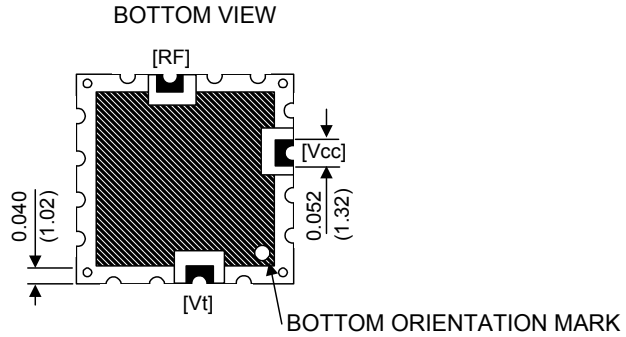
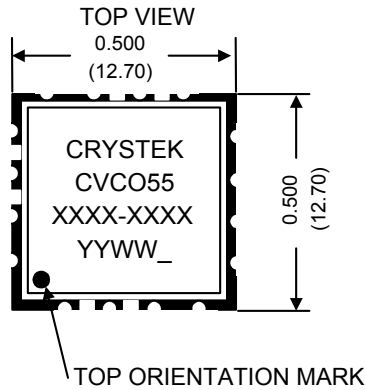


Tuning Curve, Typical



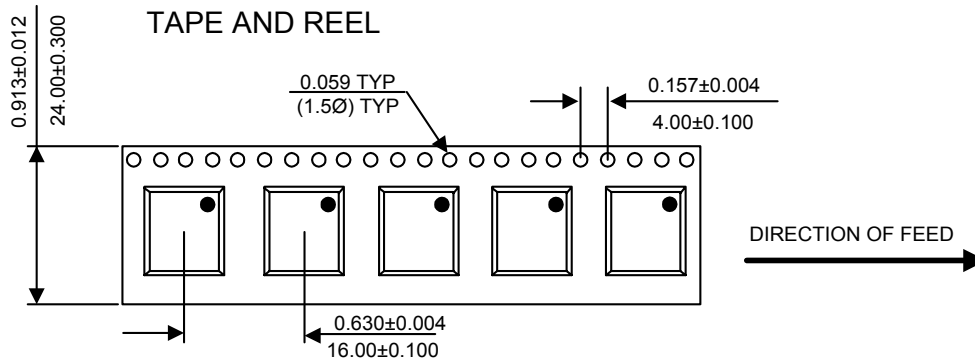
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## Voltage Controlled Oscillator-VCO CVCO55CW-0140-0250



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:	CVCO55CW-0140-0250	Release Date:	17-Dec-03
Revision Level:	A	Responsible:	C. Vales

