

CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

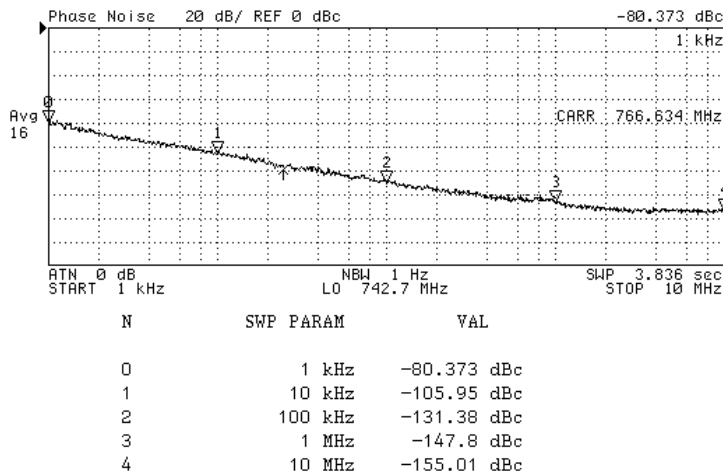
Voltage Controlled Oscillator-VCO

CVCO55CW-0640-0945

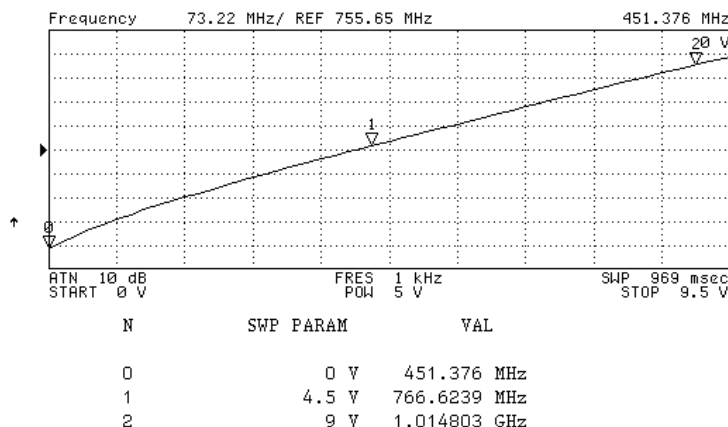


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			940	MHz
Upper Frequency:	945			MHz
Tuning Voltage:	0.0		9.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+6.0	+9.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic):		-10	-5	dBc
Pushing:		2.5	4.0	MHz/V
Pulling, all Phases:		2.5	4.0	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-106	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-132	-126	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			330	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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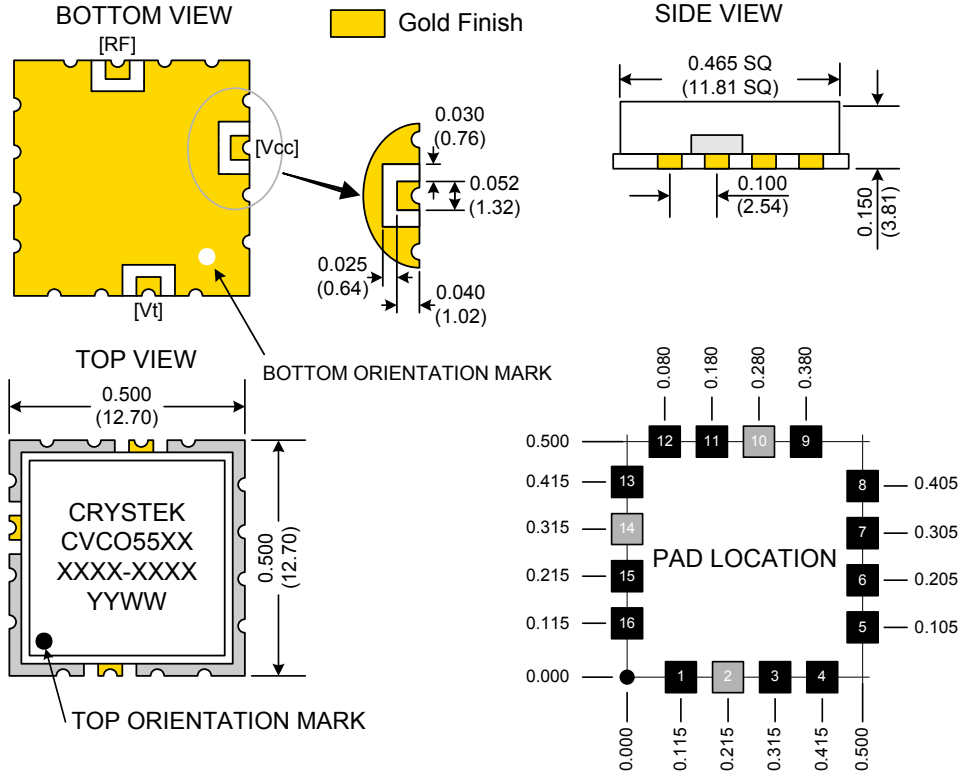
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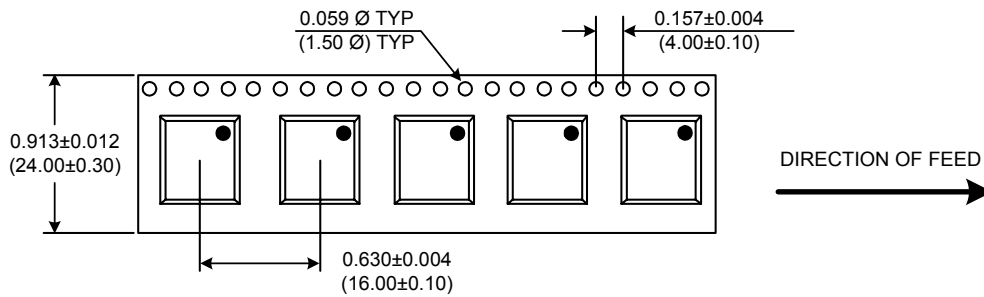
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Voltage Controlled Oscillator-VCO

CVCO55CW-0640-0945



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55CW-0645-0945	Release Date:	17-Jan-08
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice



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