

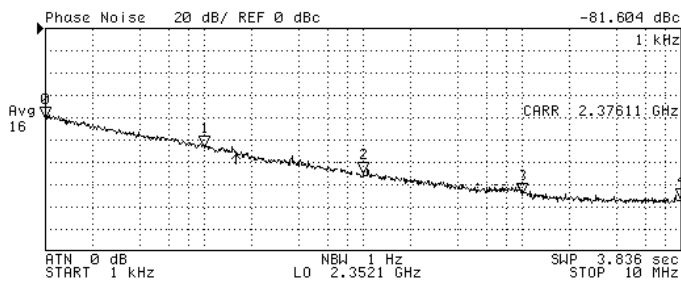
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Coaxial Resonator Oscillator-CRO CVCO55CC-2300-2450



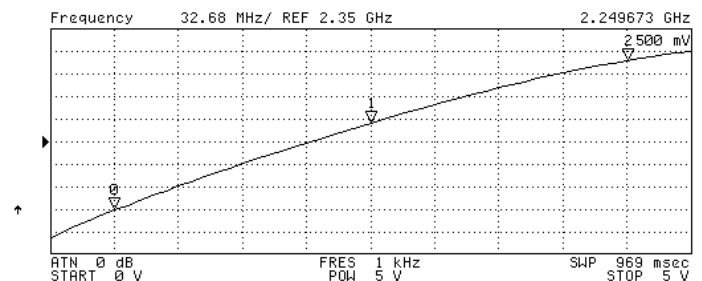
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2300	MHz
Upper Frequency:	2450			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+1.0	+4.0	+7.0	dBm
Supply Current:		20	35	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		1.3	2.5	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		50		MHz/V
Phase Noise @ 10kHz offset:		-106	-104	dBc/Hz
Phase Noise @ 100kHz offset:		-129	-127	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)



N	SWP PARAM	VAL
0	1 kHz	-81.604 dBc
1	10 kHz	-107.53 dBc
2	100 kHz	-131.84 dBc
3	1 MHz	-150.47 dBc
4	10 MHz	-154.64 dBc

Tuning Curve (Typical)

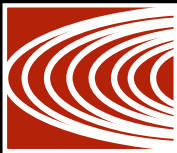


N	SWP PARAM	VAL
0	500 mV	2.249673 GHz
1	2.5 V	2.376106 GHz
2	4.5 V	2.466912 GHz



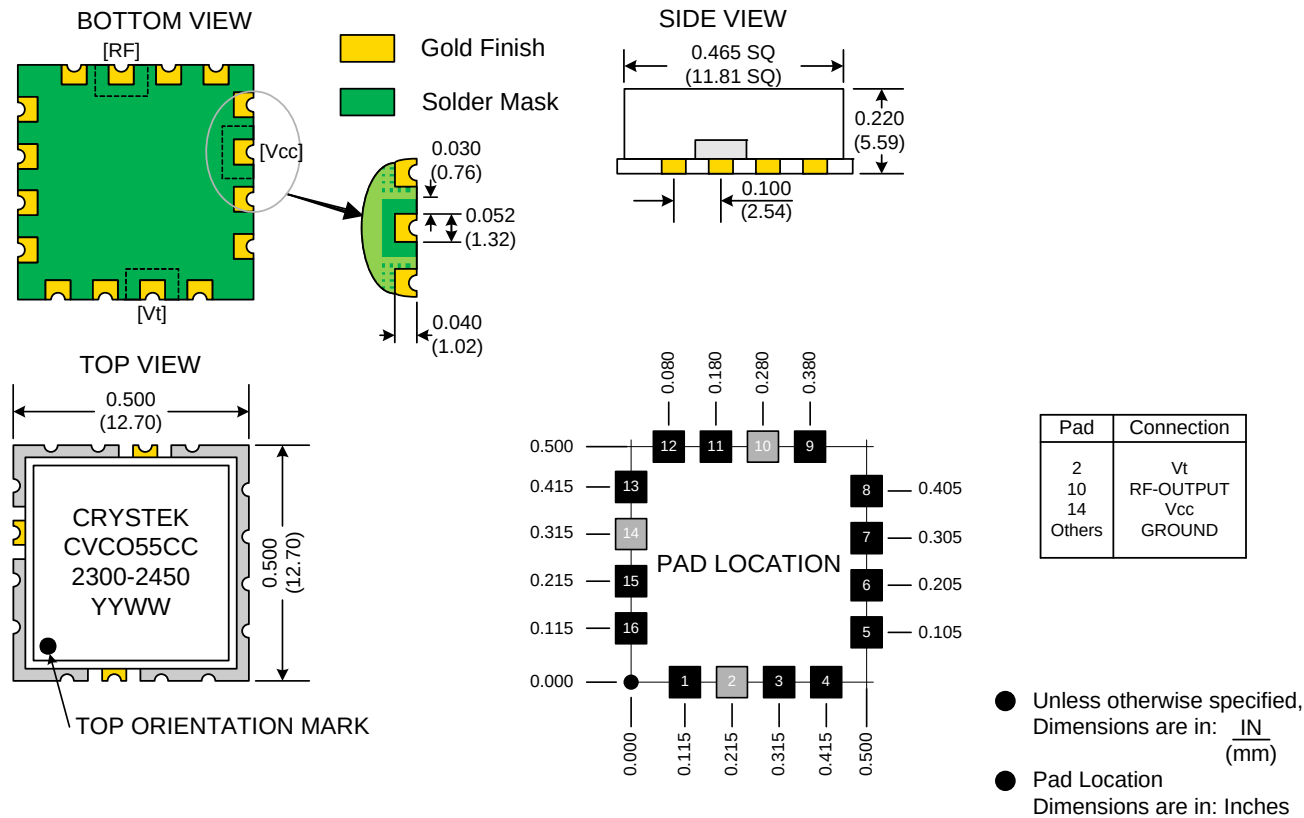
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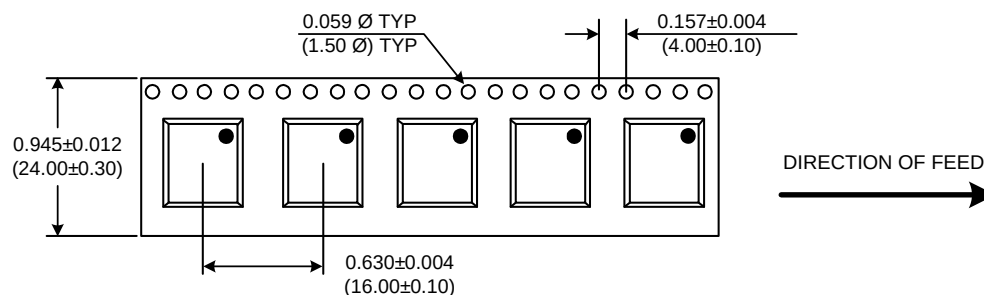


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Coaxial Resonator Oscillator-CRO CVCO55CC-2300-2450



TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55CC-2300-2450	Release Date:	19-Feb-08
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice

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