

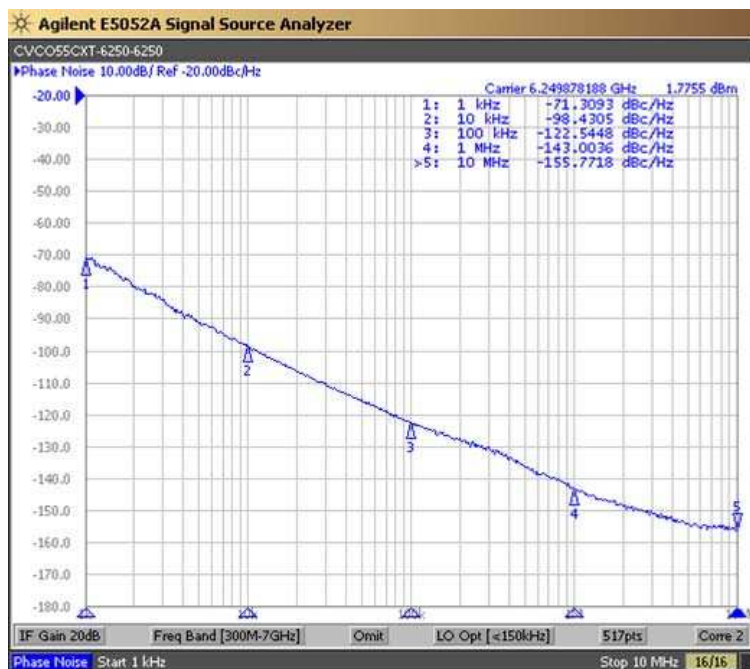


Coaxial Resonator Oscillator-CRO Frequency Doubling, 2X Fundamental CVCO55CXT-6250-6250

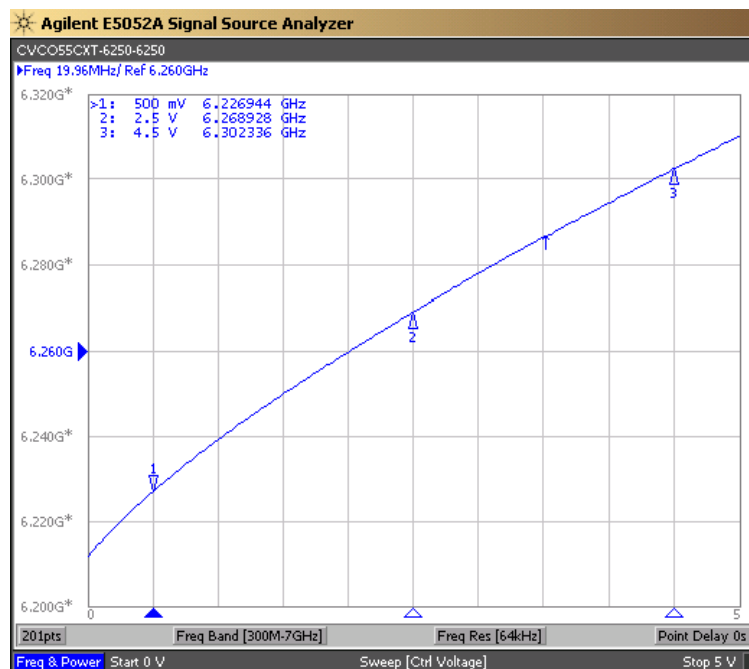


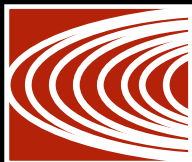
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			6250	MHz
Upper Frequency:	6250			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+2.5	+4.5	+6.5	dBm
Supply Current:		25	35	mA
Harmonic, F×(0.5):		-25	-20	dBc
Harmonic, F×(1.5):		-35	-30	dBc
Harmonic, F×(2.0):		-30	-25	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-93		dBc/Hz
Phase Noise @ 100kHz offset:		-120		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)



Tuning Curve (Typical)



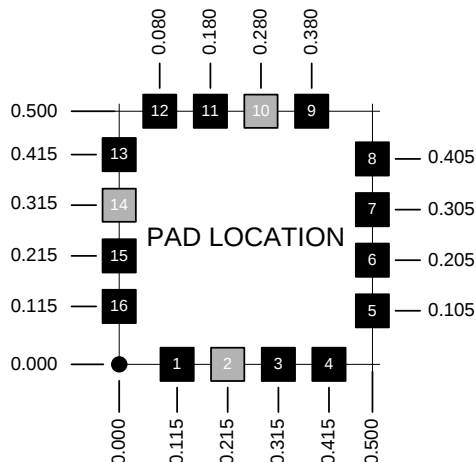
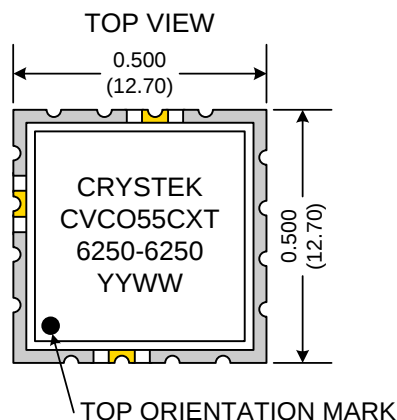
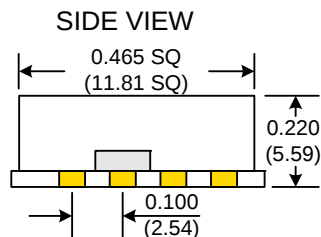
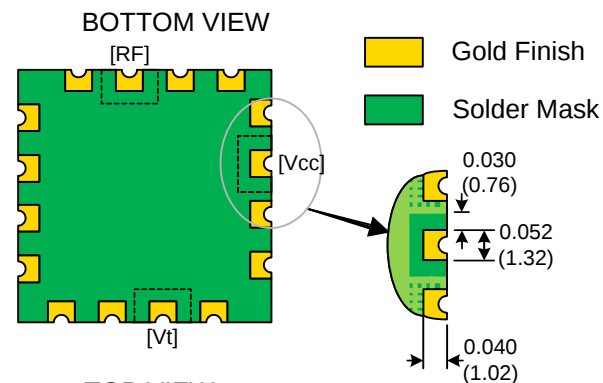


CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Coaxial Resonator Oscillator-CRO

Frequency Doubling, 2X Fundamental

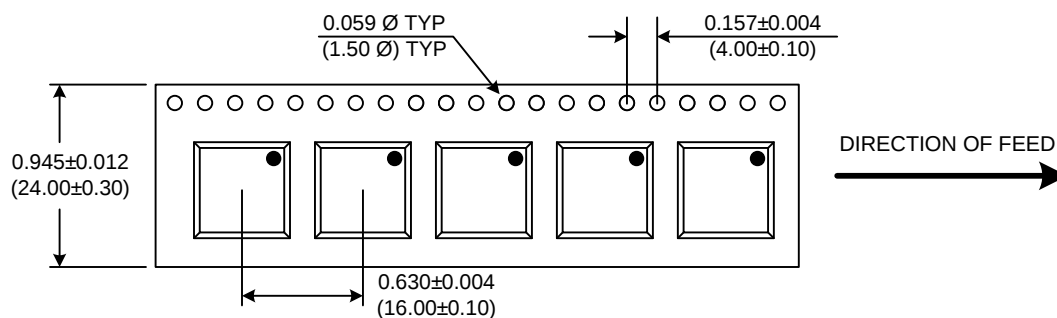
CVCO55CXT-6250-6250



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

- Unless otherwise specified, Dimensions are in: $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55CXT-6250-6250	Release Date:	08-Nov-12
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice

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CRYSTEK
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