



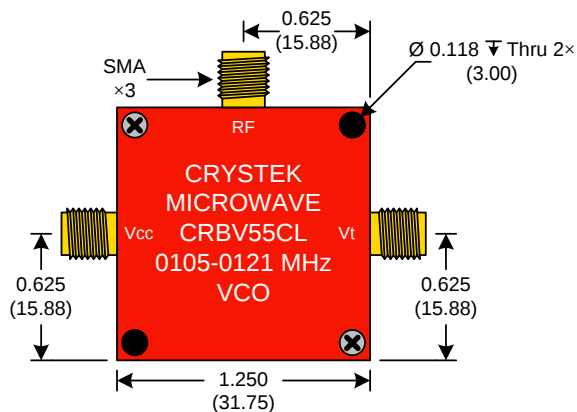
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0105-0121

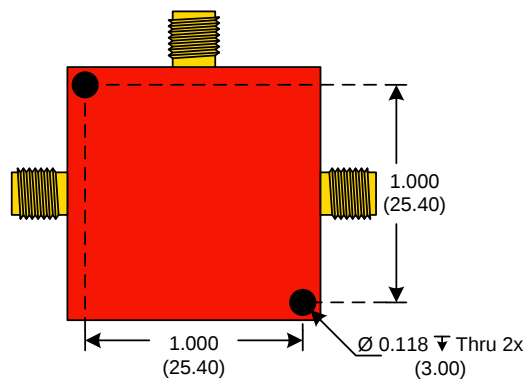


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			105	MHz
Upper Frequency:	121			MHz
Tuning Voltage:	1.0		9.0	VDC
Supply Voltage:	12.5	13.5	14.5	VDC
Output Power:	+10.0	+12.0	+14.0	dBm
Supply Current:			40	mA
Harmonic Suppression (2 nd Harmonic)			-10	dBc
Pushing:			3.0	MHz/V
Pulling, all Phases:			5.0	MHz pk-pk
Tuning Sensitivity:		4		MHz/V
Phase Noise @ 10kHz offset:		-117		dBc/Hz
Phase Noise @ 100kHz offset:		-140		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			220	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

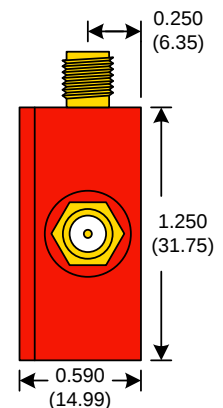
FRONT



BACK



SIDE



● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$

Product Control:

Crystek Part Number:	CRBV55CL-0105-0121	Release Date:	27-Jan-12
Revision Level:	A	Responsible:	C. Vales

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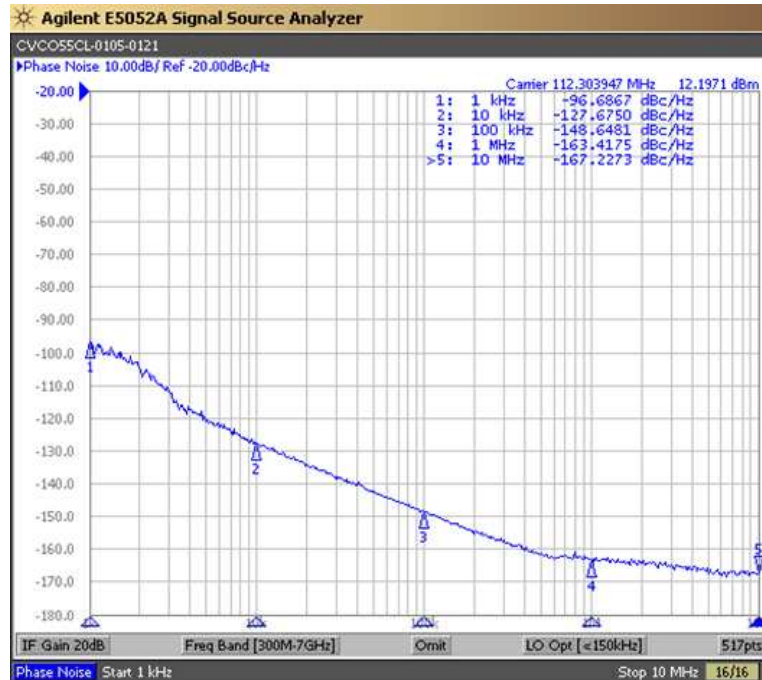
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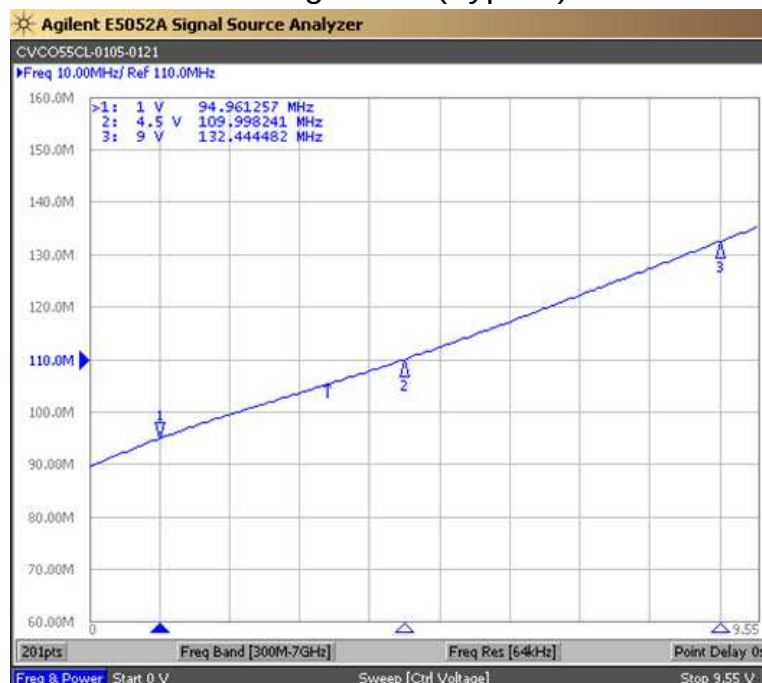
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RedBox VCO
CRBV55CL-0105-0121

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

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