

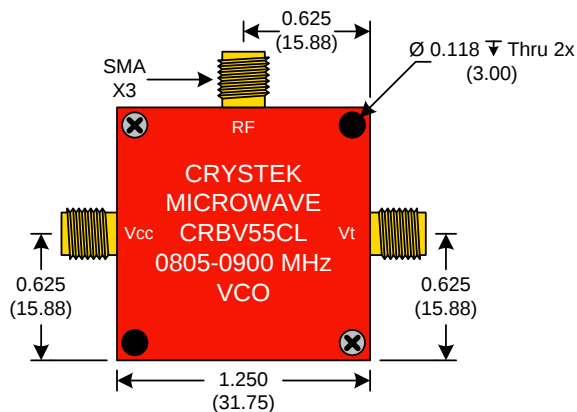
CRYSTEK
MICROWAVE
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RedBox VCO
CRBV55CL-0805-0900

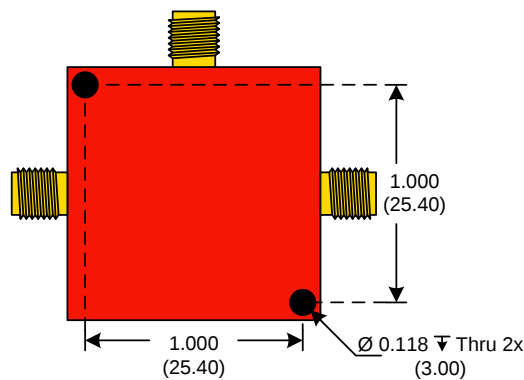


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			805	MHz
Upper Frequency:	900			MHz
Tuning Voltage:	0.5		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-1.0	+2.0	+5.0	dBm
Supply Current:		20		mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		1.0	2.0	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-127	-122	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

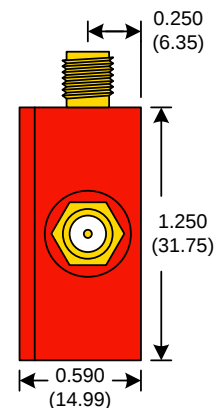
FRONT



BACK



SIDE



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

Product Control:

Crystek Part Number:	CRBV55CL-0805-0900	Release Date:	04-Feb-09
Revision Level:	C	Responsible:	C. Vales

Page 1 of 2



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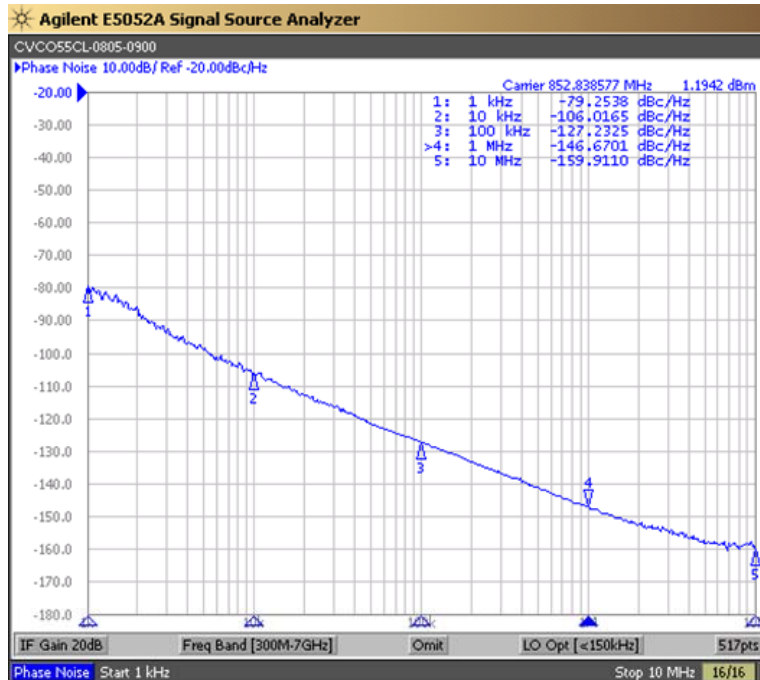
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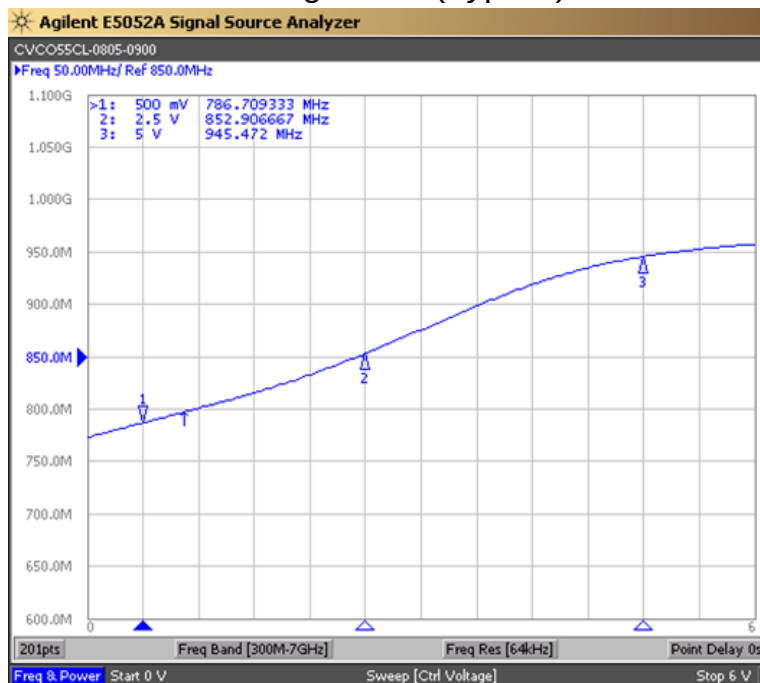
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RedBox VCO
CRBV55CL-0805-0900

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

Page 2 of 2



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