

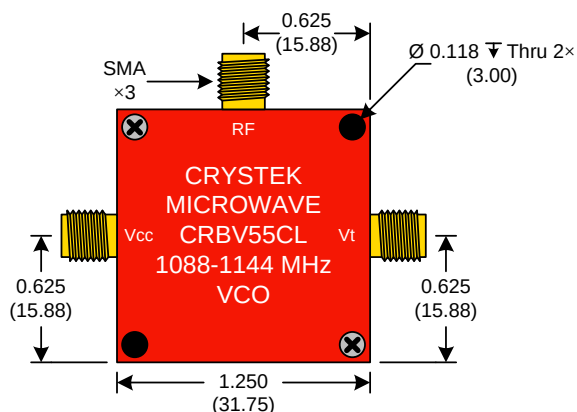
CRYSTEK
MICROWAVE
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RedBox VCO
CRBV55CL-1088-1144

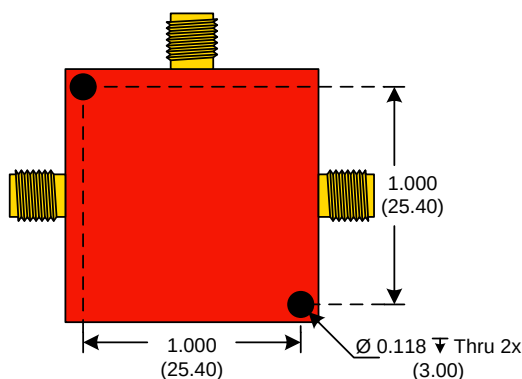


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1088	MHz
Upper Frequency:	1144			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-2.0	0	+2.0	dBm
Supply Current:		20	30	mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	1.5	MHz pk-pk
Tuning Sensitivity:		21		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-130		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			30	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

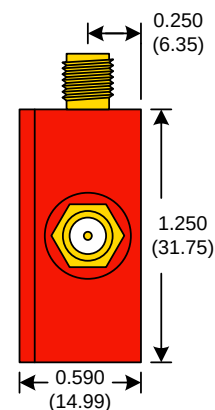
FRONT



BACK



SIDE



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

Product Control:

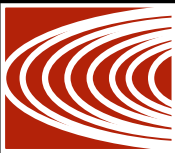
Crystek Part Number:	CRBV55CL-1088-1144	Release Date:	18-Oct-10
Revision Level:	B	Responsible:	C. Vales

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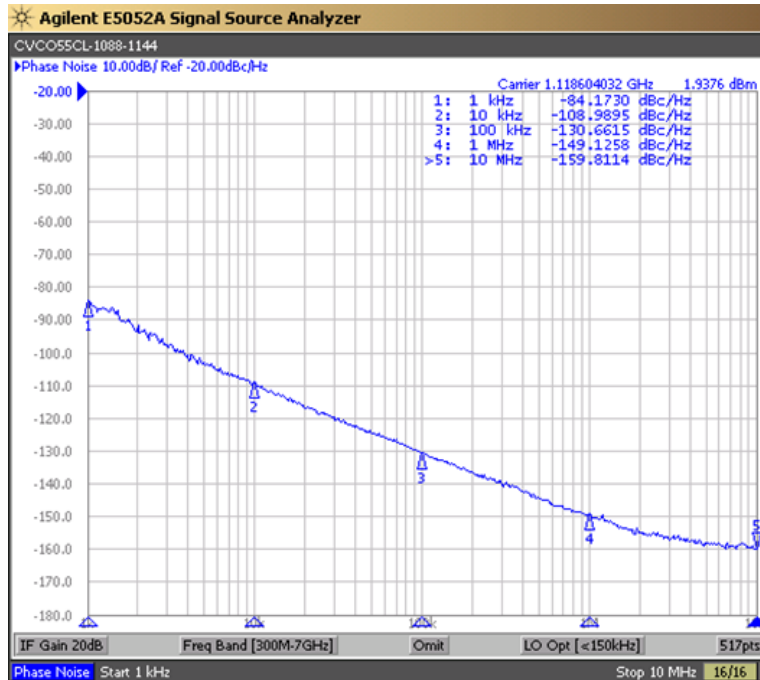
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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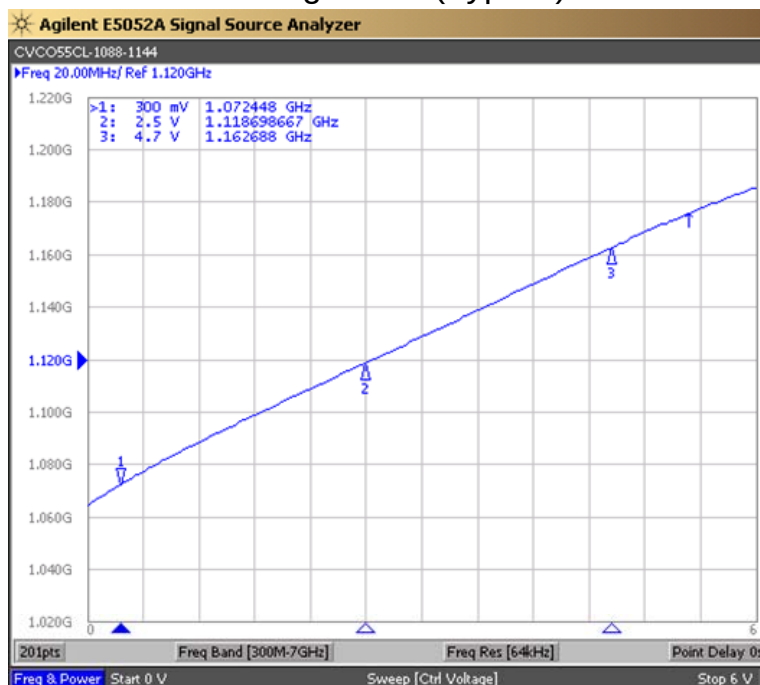
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CRBV55CL-1088-1144

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

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