

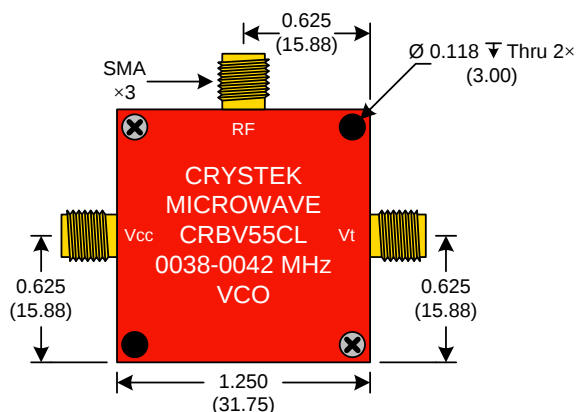
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0038-0042

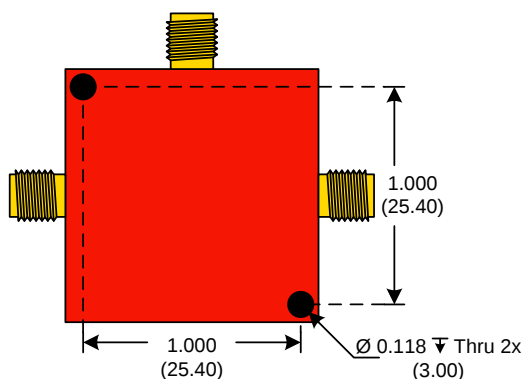


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			38	MHz
Upper Frequency:	42			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		10		mA
Harmonic Suppression (2 nd Harmonic):			-20	dBc
Pushing:			1.0	MHz/V
Pulling, all Phases:			1.0	MHz pk-pk
Tuning Sensitivity:		3		MHz/V
Phase Noise @ 10kHz offset:		-116	-112	dBc/Hz
Phase Noise @ 100kHz offset:		-134	-130	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			150	pF
Operating Temperature Range:	-30		+80	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

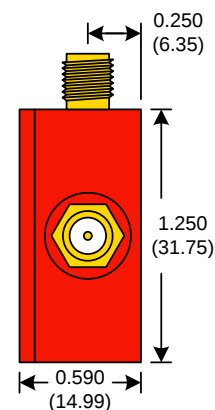
FRONT



BACK



SIDE



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

Product Control:

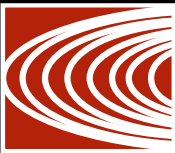
Crystek Part Number:	CRBV55CL-0038-0042	Release Date:	26-May-11
Revision Level:	A	Responsible:	C. Vales

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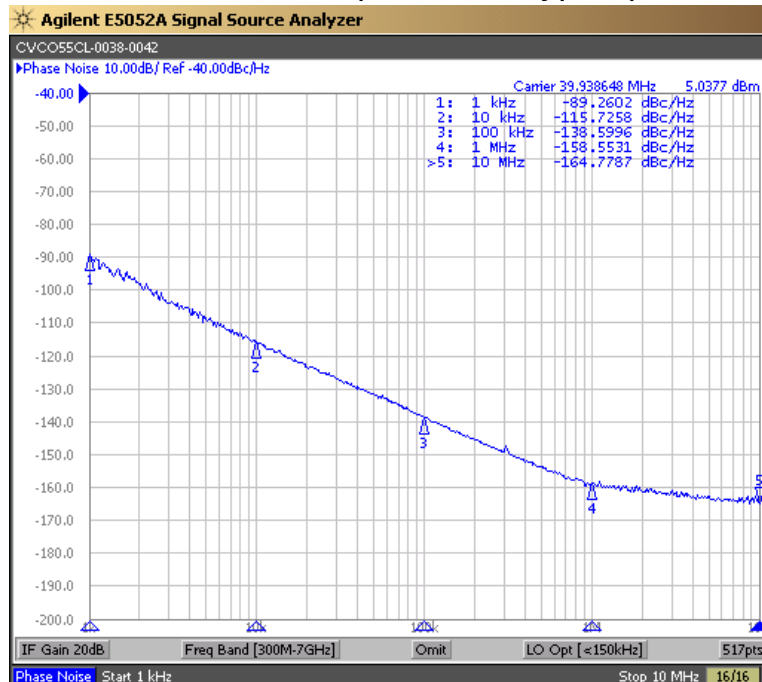
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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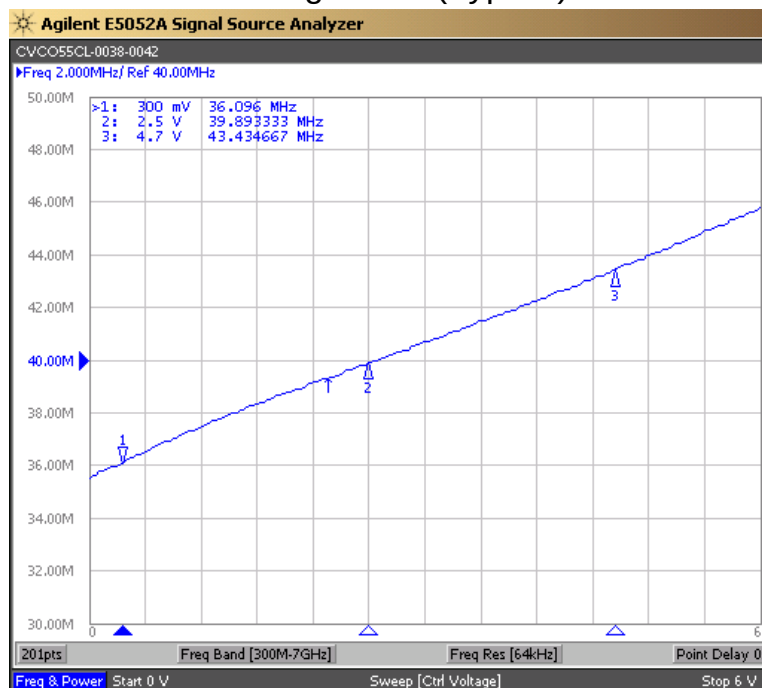
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

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