

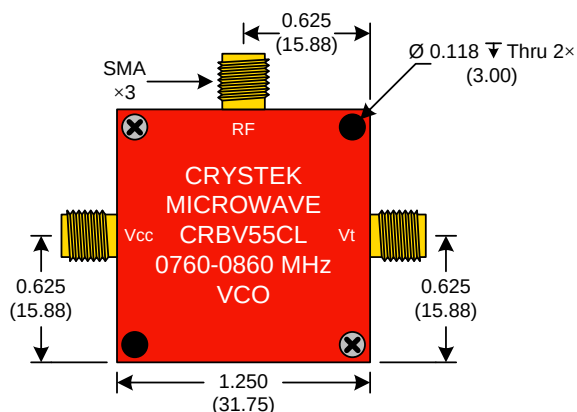
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MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0760-0860

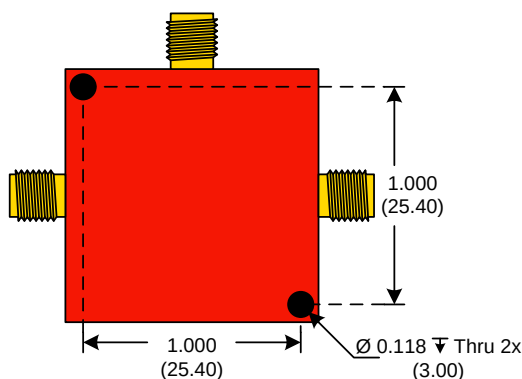


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			760	MHz
Upper Frequency:	860			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	1.9	2.0	2.1	VDC
Output Power:	-5.0	-4.0	-3.0	dBm
Supply Current:			22	mA
Harmonic Suppression (2 nd Harmonic):		-15		dBc
Pushing:			1.5	MHz/V
Pulling, all Phases:			1.0	MHz pk-pk
Tuning Sensitivity:		40		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-130	-126	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

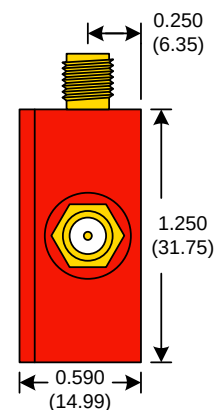
FRONT



BACK



SIDE



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

Product Control:

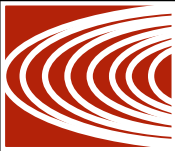
Crystek Part Number:	CRBV55CL-0760-0860	Release Date:	06-Nov-08
Revision Level:	A	Responsible:	C. Vales

Page 1 of 2



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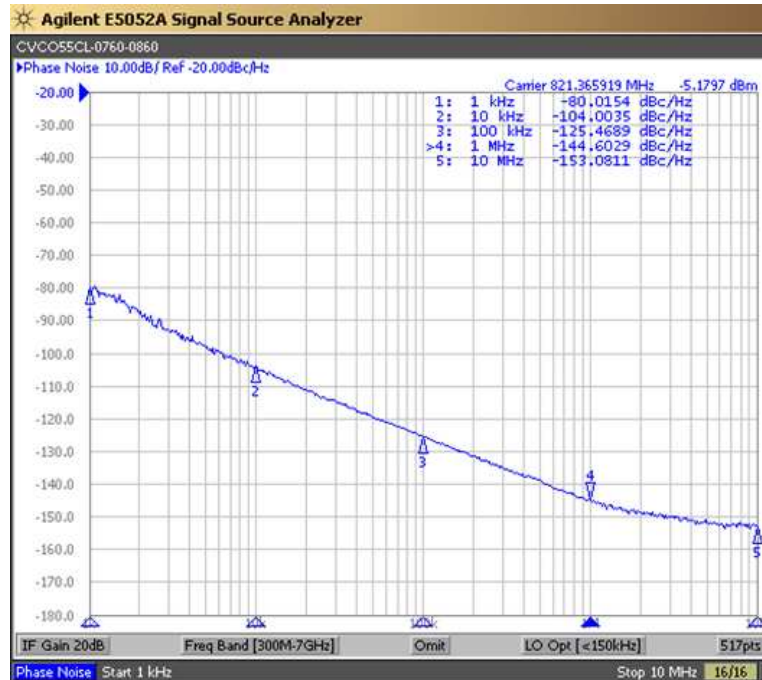
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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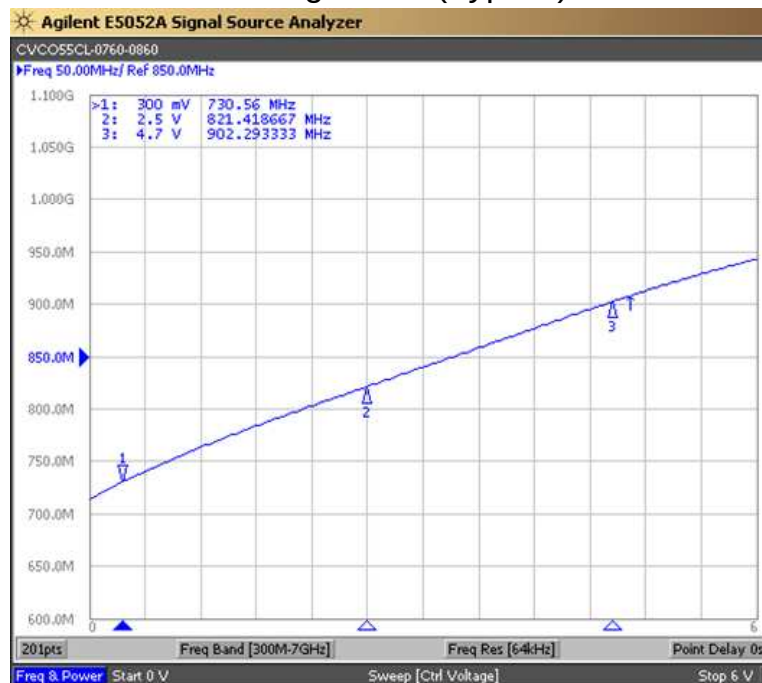
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

Page 2 of 2



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