

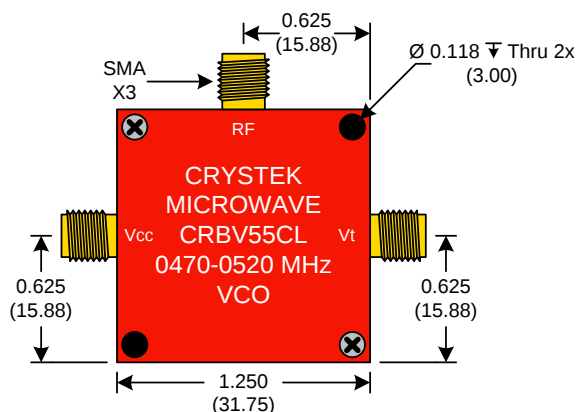
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0470-0520

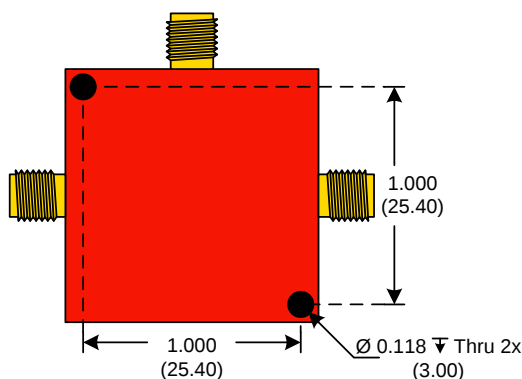


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			470	MHz
Upper Frequency:	520			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	1.9	2.0	2.1	VDC
Output Power:	-1.0	+1.0	+3.0	dBm
Supply Current:			10	mA
Harmonic Suppression (2 nd Harmonic)		-7		dBc
Pushing:			7.0	MHz/V
Pulling, all Phases:			1.0	MHz pk-pk
Tuning Sensitivity:		24		MHz/V
Phase Noise @ 10kHz offset:		-109		dBc/Hz
Phase Noise @ 100kHz offset:		-129		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			150	pF
Operating Temperature Range:	-30		+80	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

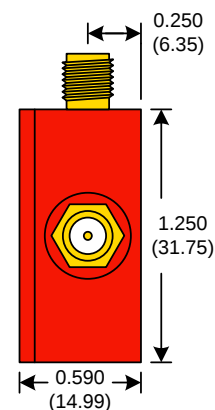
FRONT



BACK



SIDE



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

Product Control:

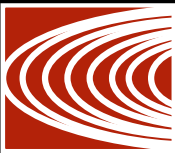
Crystek Part Number:	CRBV55CL-0470-0520	Release Date:	23-Mar-10
Revision Level:	C	Responsible:	C. Vales

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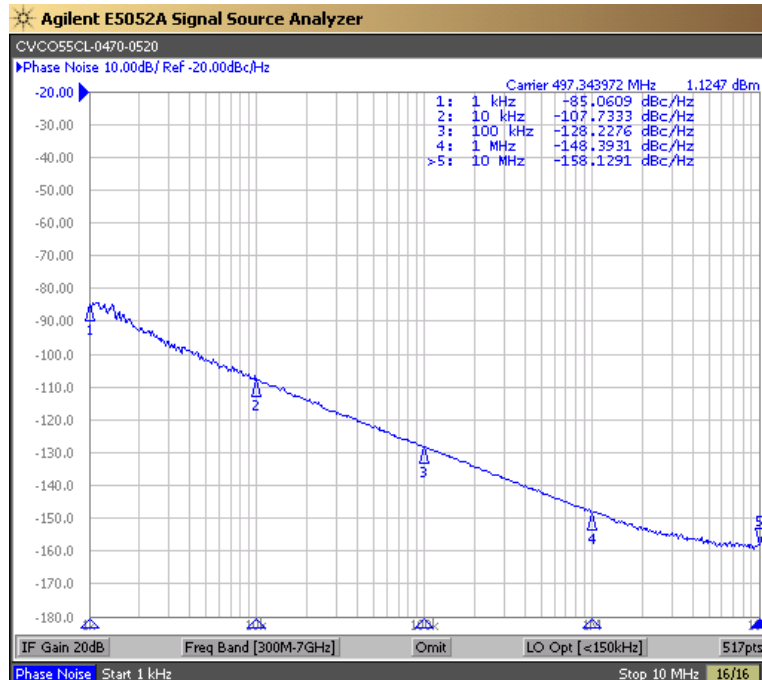
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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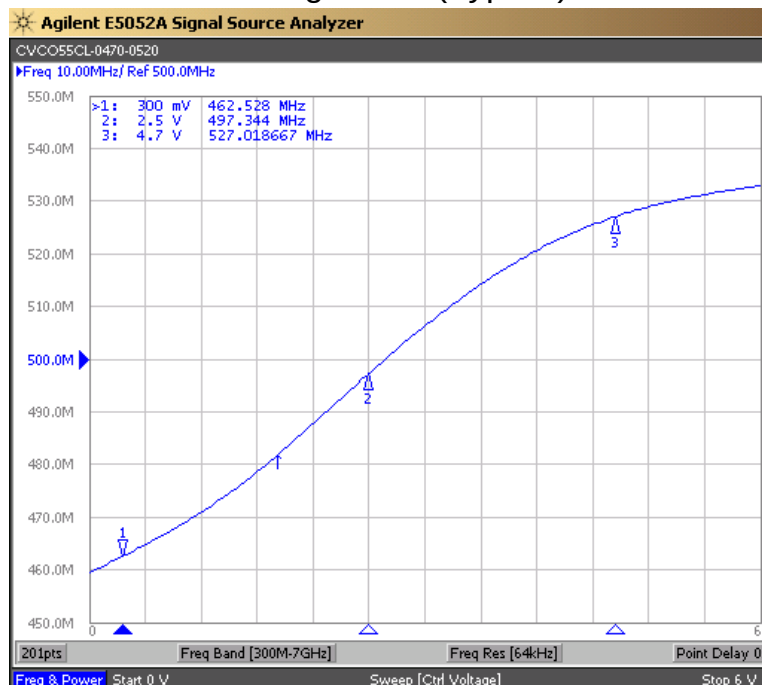
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RedBox VCO
CRBV55CL-0470-0520

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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