

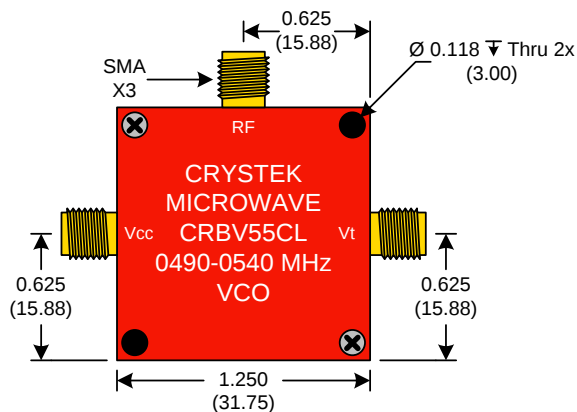
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0490-0540

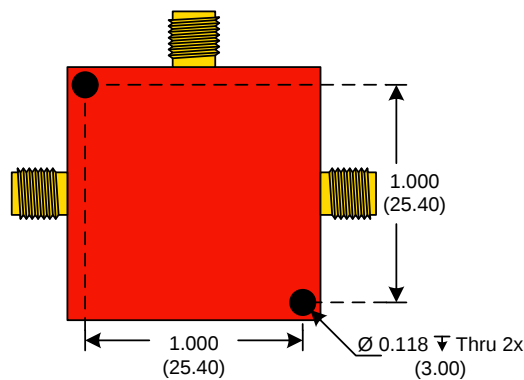


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			490	MHz
Upper Frequency:	540			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic)		-12	-8	dBc
Pushing:		0.5	2.0	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		31		MHz/V
Phase Noise @ 10kHz offset:		-108	-103	dBc/Hz
Phase Noise @ 100kHz offset:		-127	-125	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

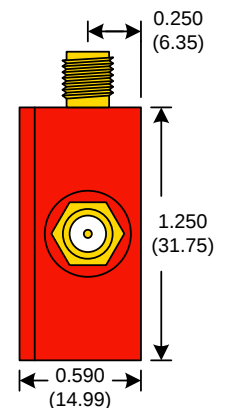
FRONT



BACK



SIDE



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

Product Control:

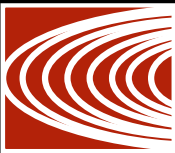
Crystek Part Number:	CRBV55CL-0490-0540	Release Date:	02-Feb-09
Revision Level:	C	Responsible:	C. Vales

Page 1 of 2



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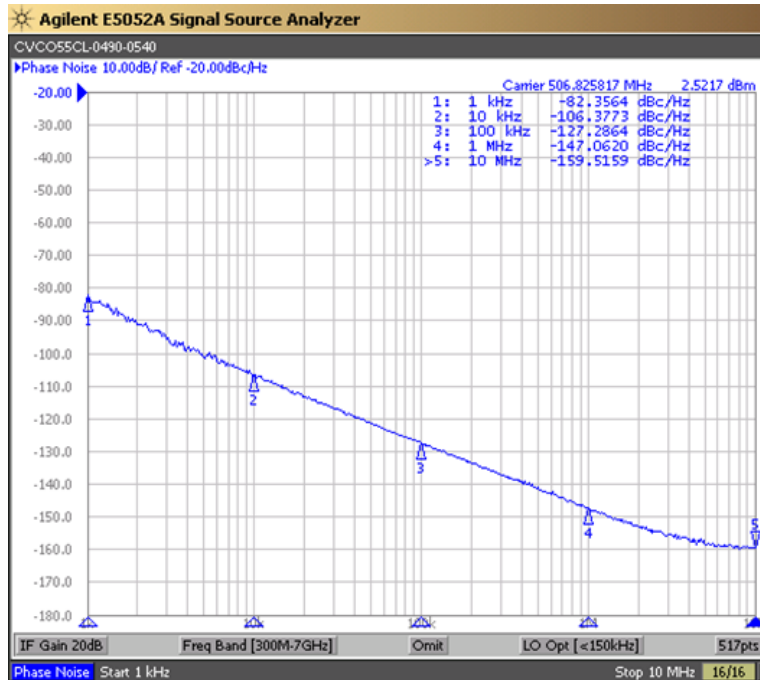
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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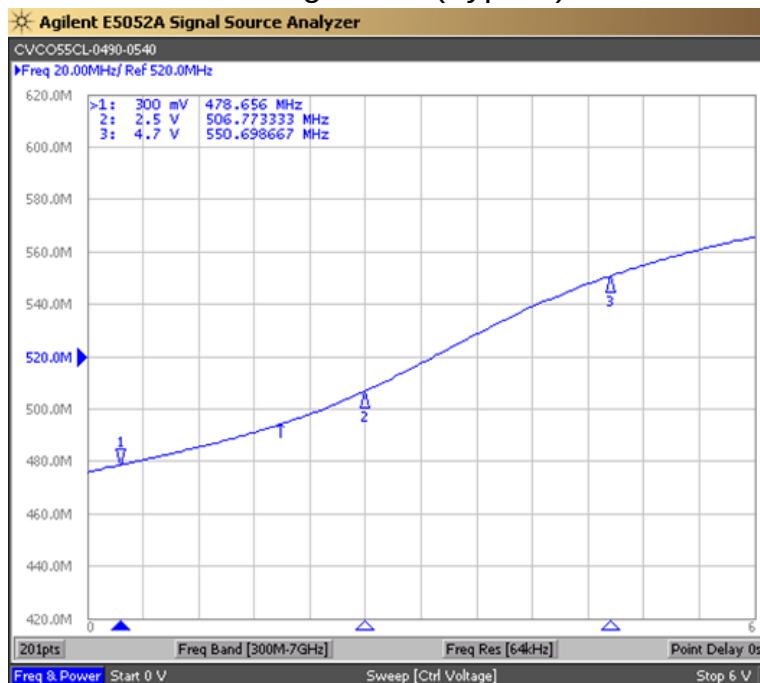
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RedBox VCO
CRBV55CL-0490-0540

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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