



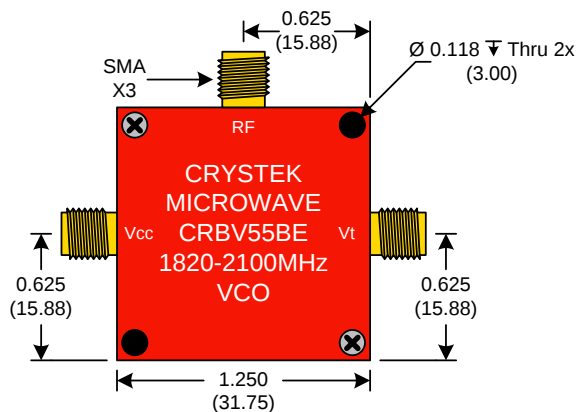
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1820-2100

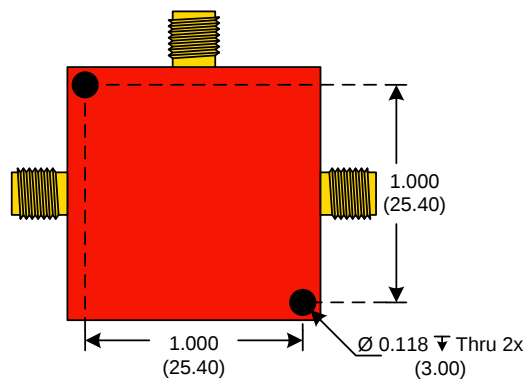


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1820	MHz
Upper Frequency:	2100			MHz
Tuning Voltage:	0.5		18	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:			30	mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:			1.5	MHz/V
Pulling, all Phases:			3.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-126	-121	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

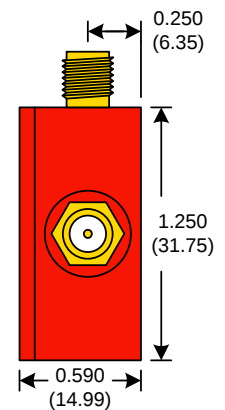
FRONT



BACK



SIDE



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

Product Control:

Crystek Part Number:	CRBV55BE-1820-2100	Release Date:	07-Jan-09
Revision Level:	B	Responsible:	C. Vales

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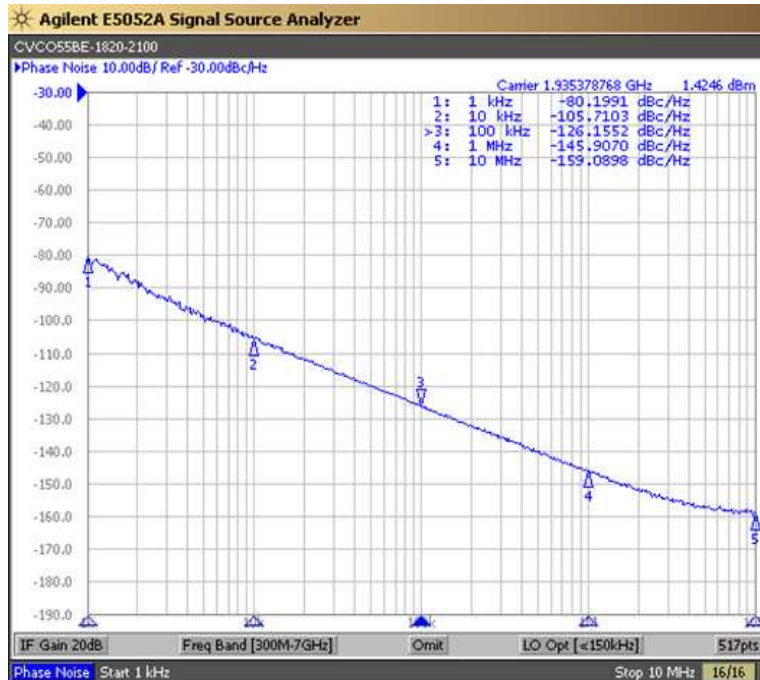


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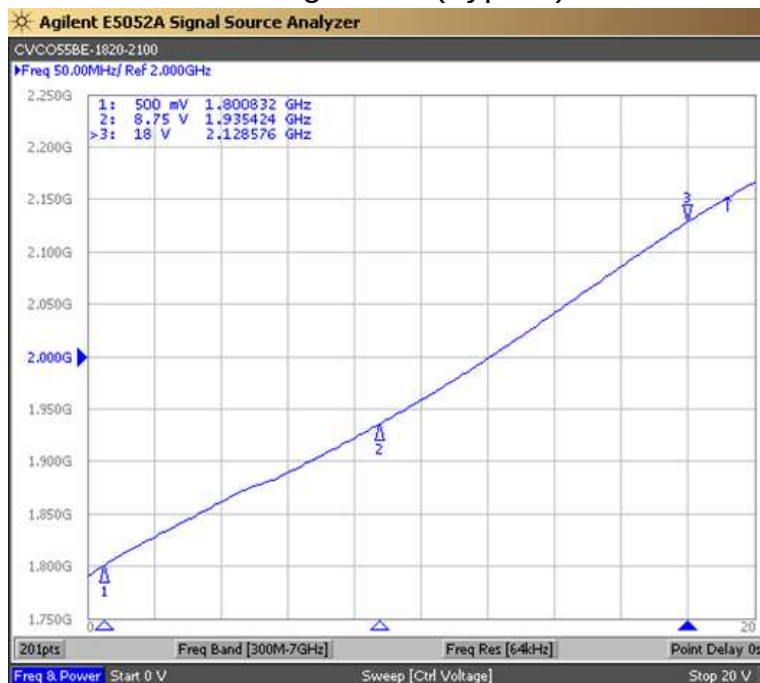
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

