

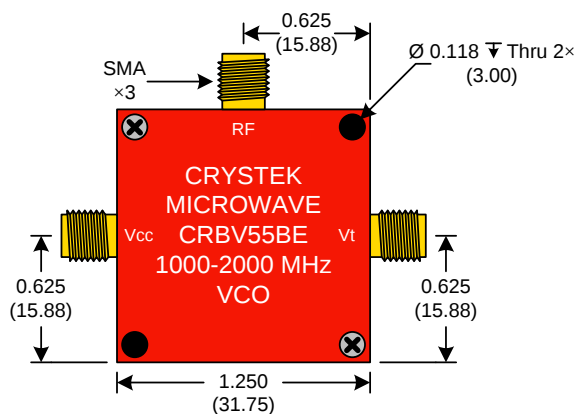
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1000-2000

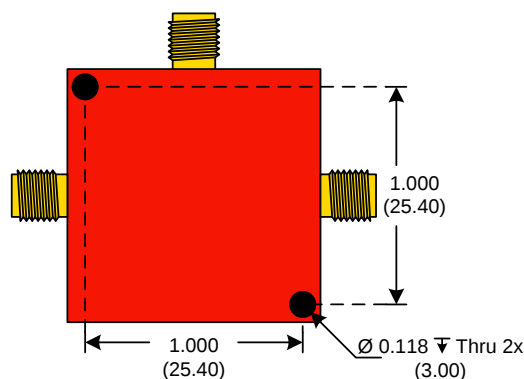


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	2000			MHz
Tuning Voltage:	1.0		20.0	VDC
Supply Voltage:	9.75	10.0	10.25	VDC
Output Power:	+3.0	+5.5	+8.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic)		-10	-5	dBc
Pushing:		2.5	5.0	MHz/V
Pulling, all Phases:		7.0	15.0	MHz pk-pk
Tuning Sensitivity:		52		MHz/V
Phase Noise @ 10kHz offset:		-100	-96	dBc/Hz
Phase Noise @ 100kHz offset:		-124	-120	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			33	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

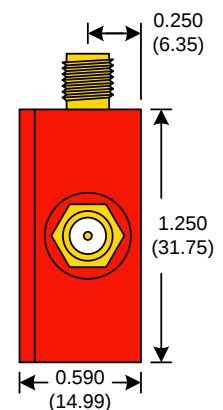
FRONT



BACK



SIDE



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

Product Control:

Crystek Part Number:	CRBV55BE-1000-2000	Release Date:	26-Sep-08
Revision Level:	C	Responsible:	C. Vales

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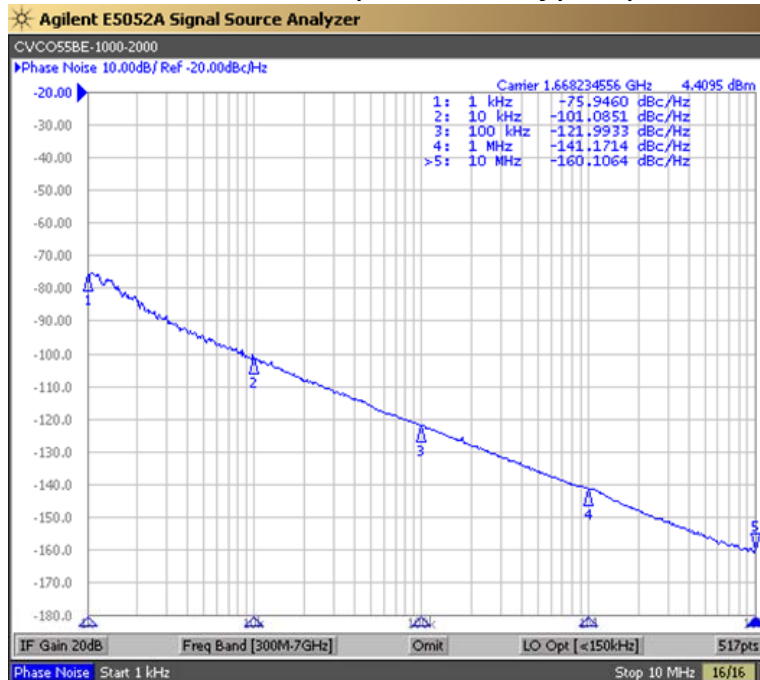


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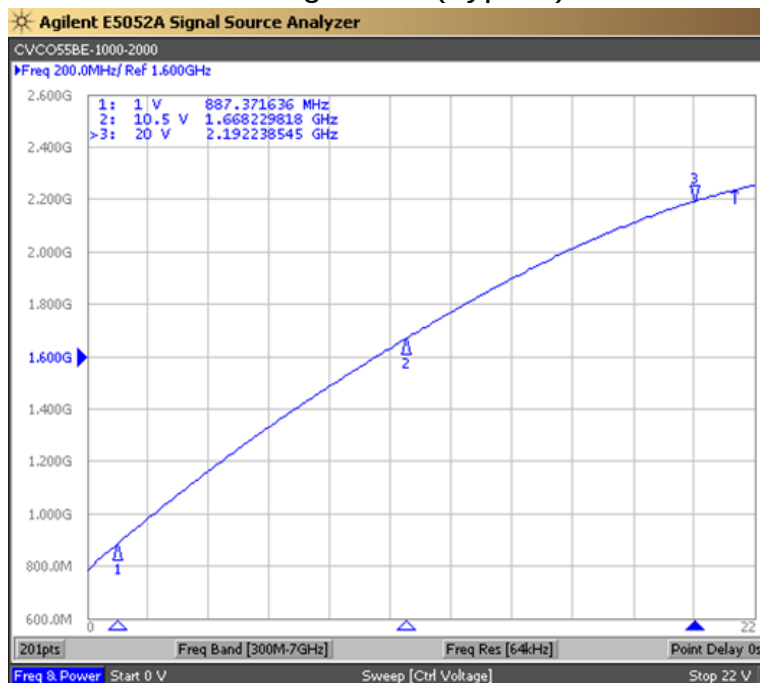
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

