

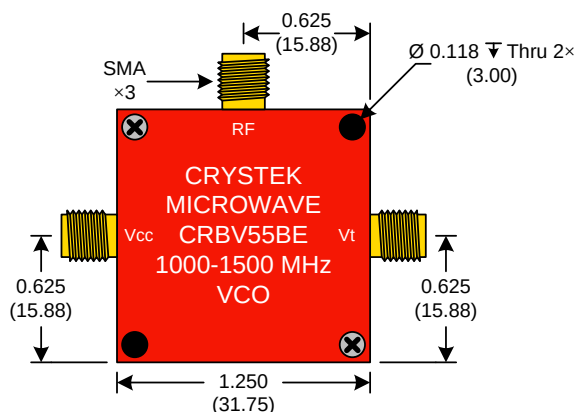
CRYSTEK
MICROWAVE
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RedBox VCO
CRBV55BE-1000-1500

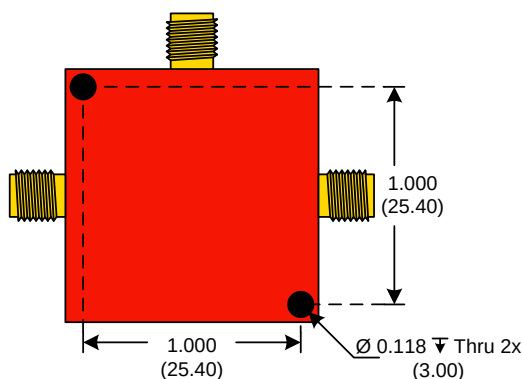


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	1500			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	2.85	3.0	3.15	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		10		mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		10.0		MHz/V
Pulling, all Phases:			4.0	MHz pk-pk
Tuning Sensitivity:		150		MHz/V
Phase Noise @ 10kHz offset:		-95		dBc/Hz
Phase Noise @ 100kHz offset:		-115		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			30	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

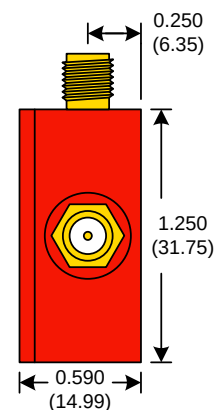
FRONT



BACK



SIDE



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

Product Control:

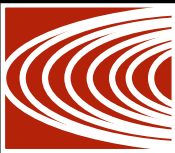
Crystek Part Number:	CRBV55BE-1000-1500	Release Date:	11-Jul-2013
Revision Level:	E	Responsible:	C. Vales

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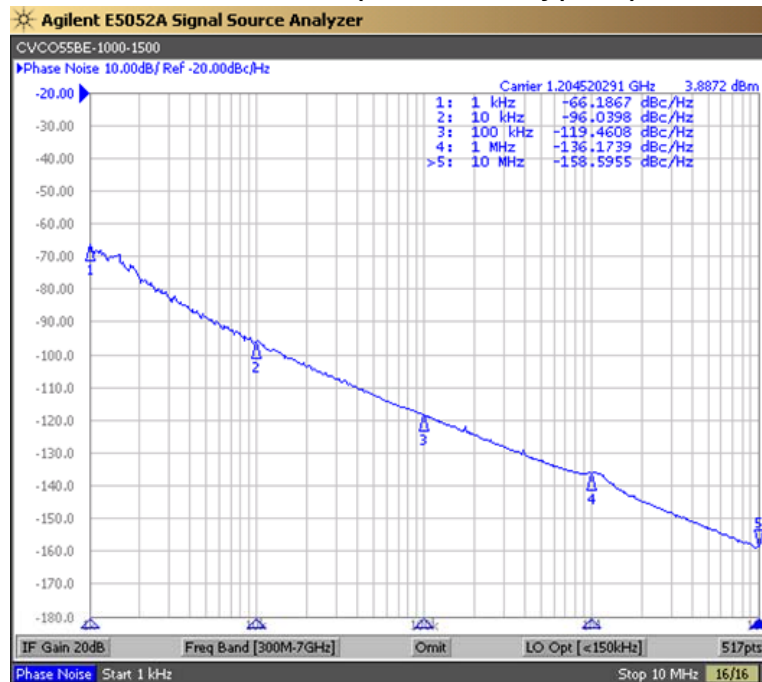
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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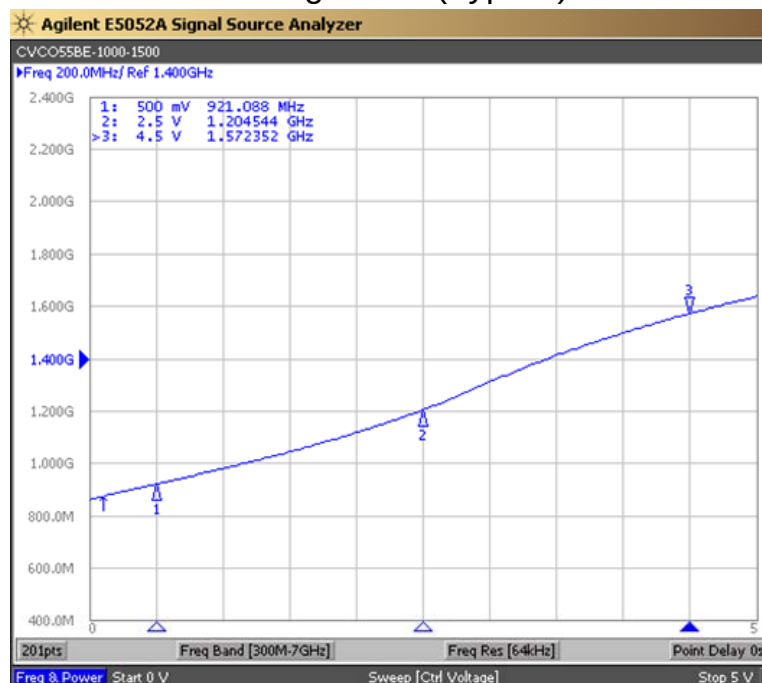
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RedBox VCO
CRBV55BE-1000-1500

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

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