

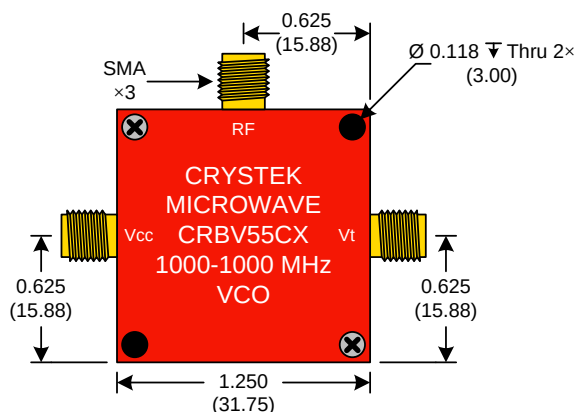
CRYSTEK
MICROWAVE
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RedBox VCO
CRBV55CX-1000-1000

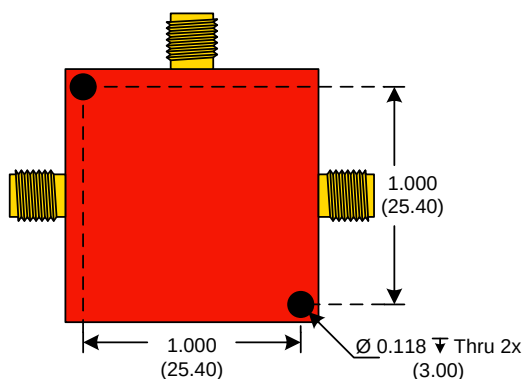


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	1000			MHz
Tuning Voltage:	0		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+10.0	+12.0	+14.0	dBm
Supply Current:		25	30	mA
Harmonic Suppression (2 nd Harmonic)		-10	-5	dBc
Pushing:		5.0	10.0	MHz/V
Pulling, all Phases:		7.0	10.0	MHz pk-pk
Tuning Sensitivity:		120		kHz/V
Phase Noise @ 10kHz offset:		-135	-131	dBc/Hz
Phase Noise @ 100kHz offset:		-149	-146	dBc/Hz
Phase Noise @ 1MHz offset:		-163	-160	dBc/Hz
Phase Noise @ 10MHz offset:		-170	-167	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-20		+70	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

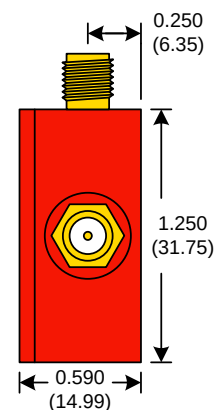
FRONT



BACK



SIDE



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

Product Control:

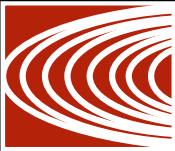
Crystek Part Number:	CRBV55CX-1000-1000	Release Date:	29-Nov-11
Revision Level:	E	Responsible:	C. Vales

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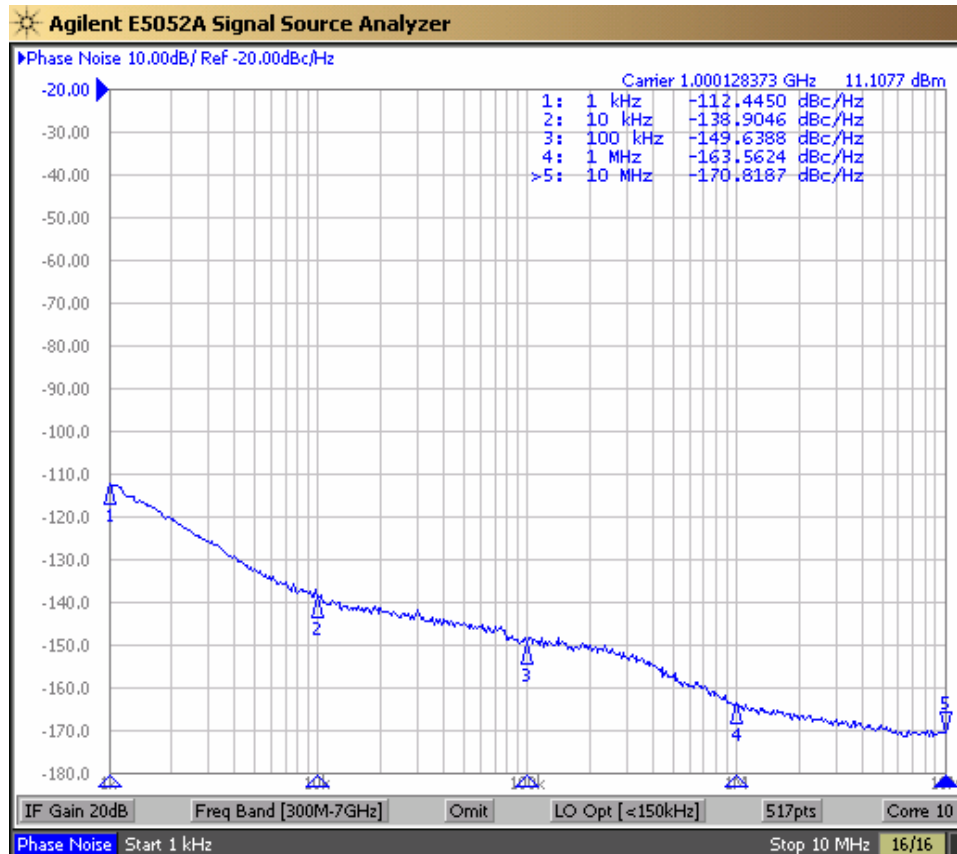
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RedBox VCO
CRBV55CX-1000-1000

Phase Noise (1 Hz BW, Typical)



Product Control:

Crystek Part Number:	CRBV55CX-1000-1000	Release Date:	29-Nov-11
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Specification is subject to change without notice

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