

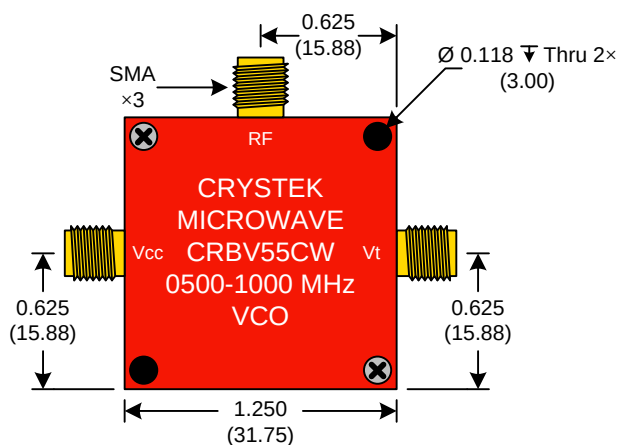
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0500-1000

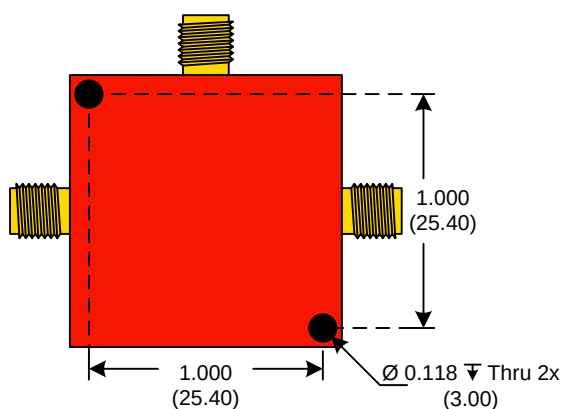


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			500	MHz
Upper Frequency:	1000			MHz
Tuning Voltage:	0.5		18.0	VDC
Supply Voltage:	11.4	12.0	12.6	VDC
Output Power:	+4.0	+7.0	+10.0	dBm
Supply Current:		14	20	mA
Harmonic Suppression (2 nd Harmonic)		-5		dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			4.0	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-100		dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			120	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

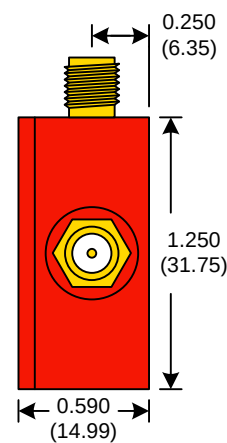
FRONT



BACK



SIDE



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

Product Control:

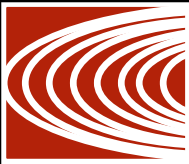
Crystek Part Number:	CRBV55CW-0500-1000	Release Date:	15-Jan-2014
Revision Level:	C	Responsible:	C. Vales

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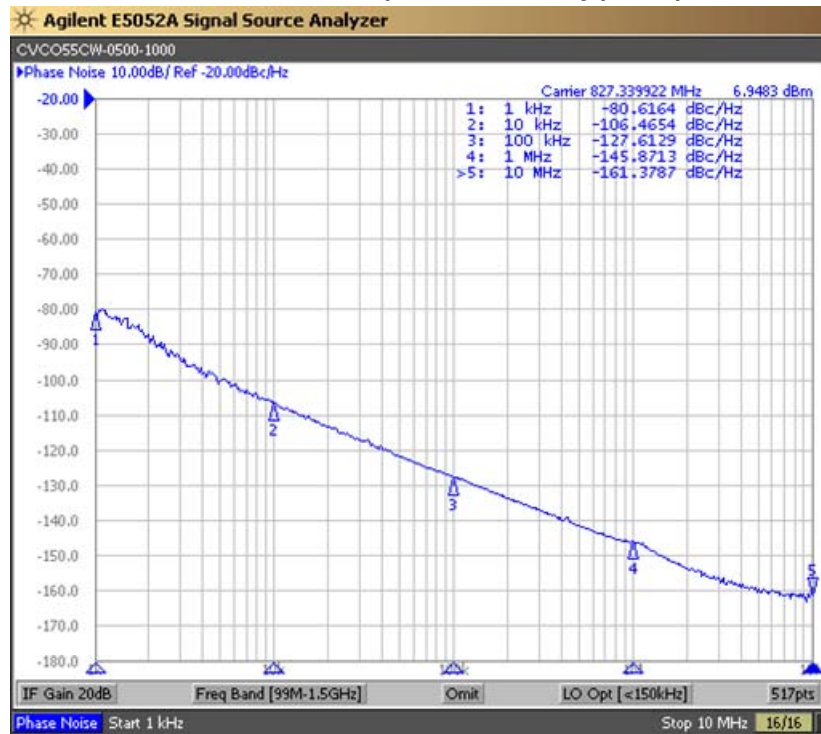


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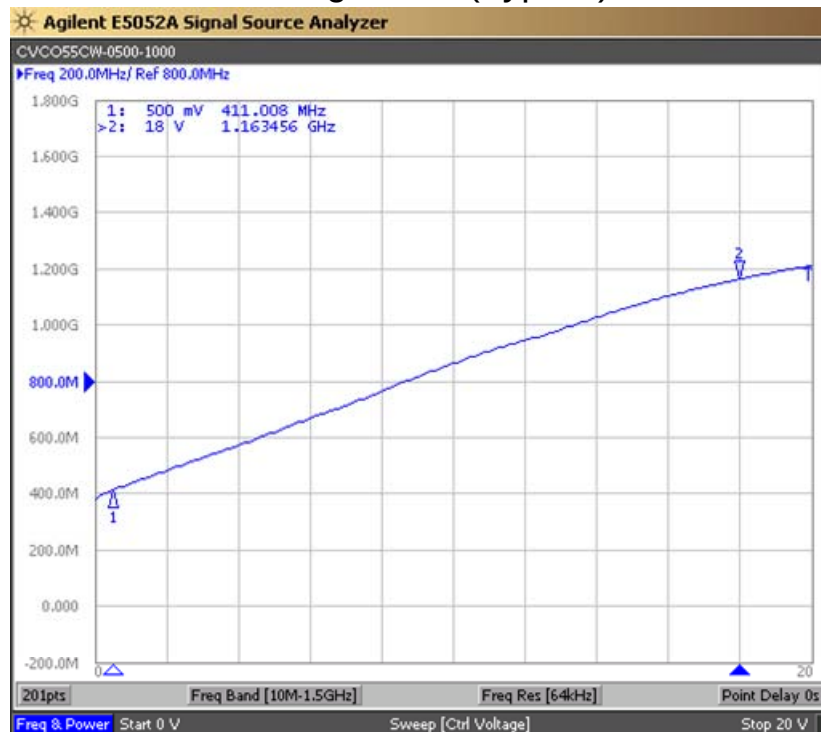
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice



Mouser Electronics

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