

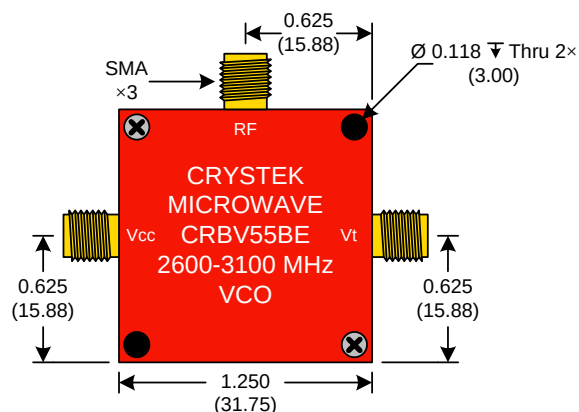
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2600-3100

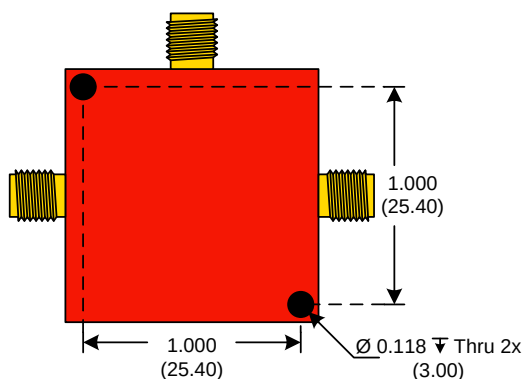


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2600	MHz
Upper Frequency:	3100			MHz
Tuning Voltage:	1.0		10	VDC
Supply Voltage:	9.5	10.0	10.5	VDC
Output Power:	+3.0	+6.0	+9.0	dBm
Supply Current:		23	40	mA
Harmonic Suppression (2 nd Harmonic):		-20	-15	dBc
Pushing:		10.0	20.0	MHz/V
Pulling, all Phases:		10.0	15.0	MHz pk-pk
Tuning Sensitivity:		110		MHz/V
Phase Noise @ 10kHz offset:		-91	-87	dBc/Hz
Phase Noise @ 100kHz offset:		-116	-112	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

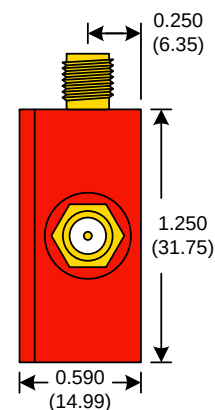
FRONT



BACK



SIDE



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

Product Control:

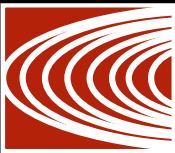
Crystek Part Number:	CRBV55BE-2600-3100	Release Date:	02-Oct-08
Revision Level:	A	Responsible:	C. Vales

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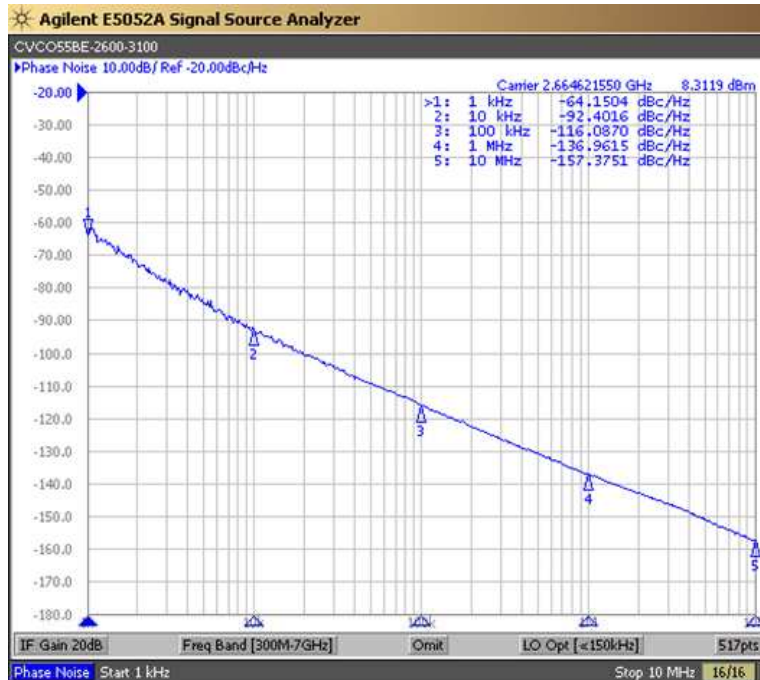


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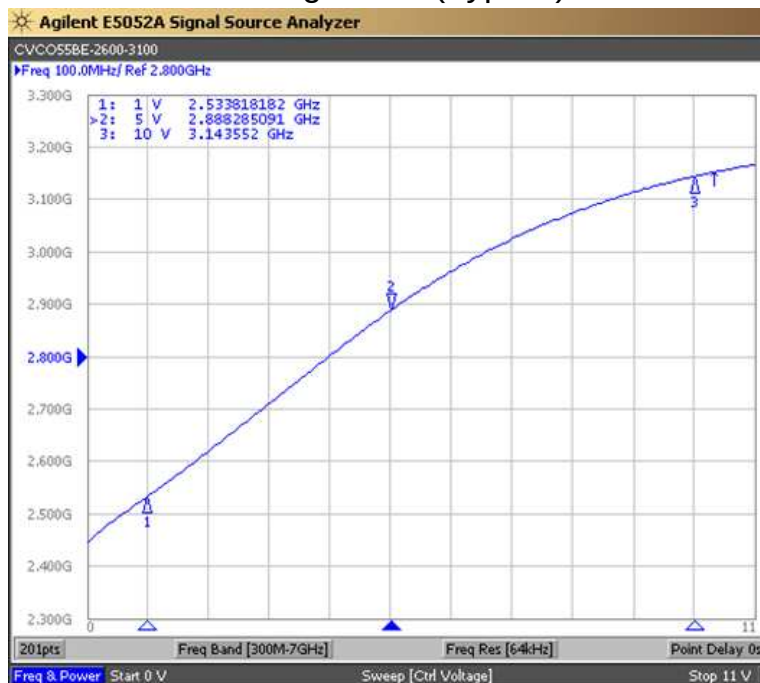
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

