



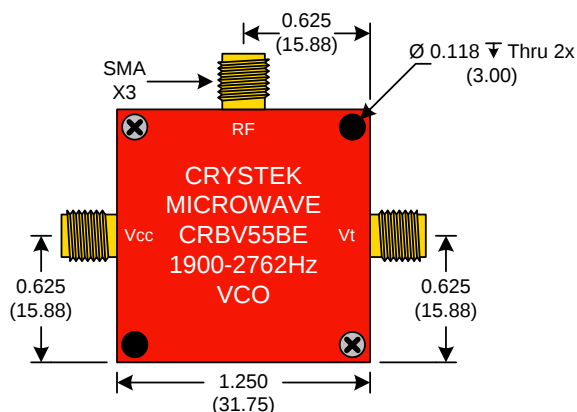
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1900-2762



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1900	MHz
Upper Frequency:	2762			MHz
Tuning Voltage:	0.5		9.5	VDC
Supply Voltage:	9.75	10.0	10.25	VDC
Output Power:	+3.0	+6.0	+9.0	dBm
Supply Current:		13		mA
Harmonic Suppression (2 nd Harmonic)		-7		dBc
Pushing:			5.0	MHz/V
Pulling, all Phases:			23.0	MHz pk-pk
Tuning Sensitivity:		140		MHz/V
Phase Noise @ 10kHz offset:		-92		dBc/Hz
Phase Noise @ 100kHz offset:		-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:

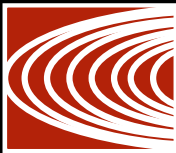
Crystek Part Number:	CRBV55BE-1900-2762	Release Date:	17-Dec-07
Revision Level:	A	Responsible:	C. Vales

Page 1 of 2

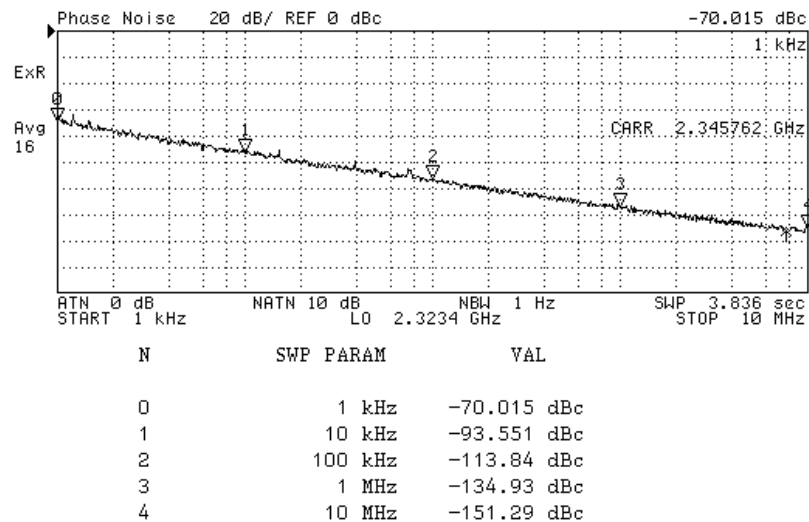


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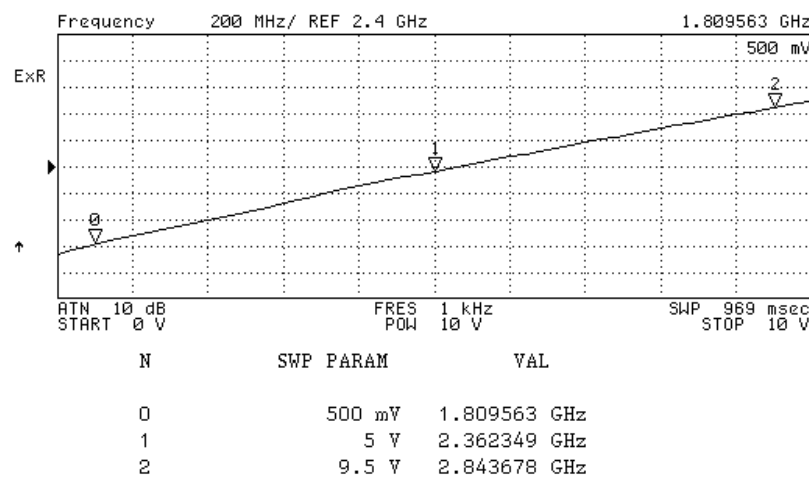
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PHONE: 239-561-3311 • 800-237-3061
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

