



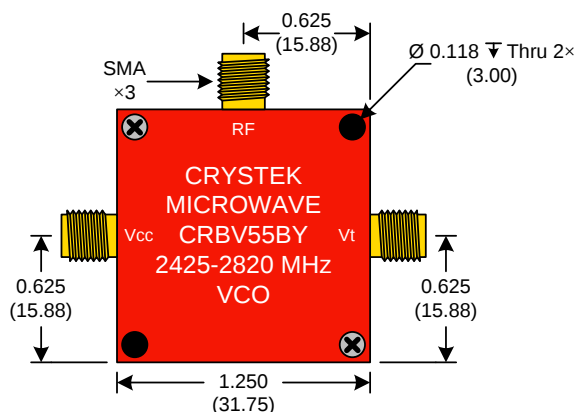
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BY-2425-2820



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2425	MHz
Upper Frequency:	2820			MHz
Tuning Voltage:	0.5		18.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2 nd Harmonic)	-12	-6	0	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		3.0	5.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-129	-127	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:	CRBV55BY-2425-2820	Release Date:	02-Aug-12
Revision Level:	B	Responsible:	C. Vales

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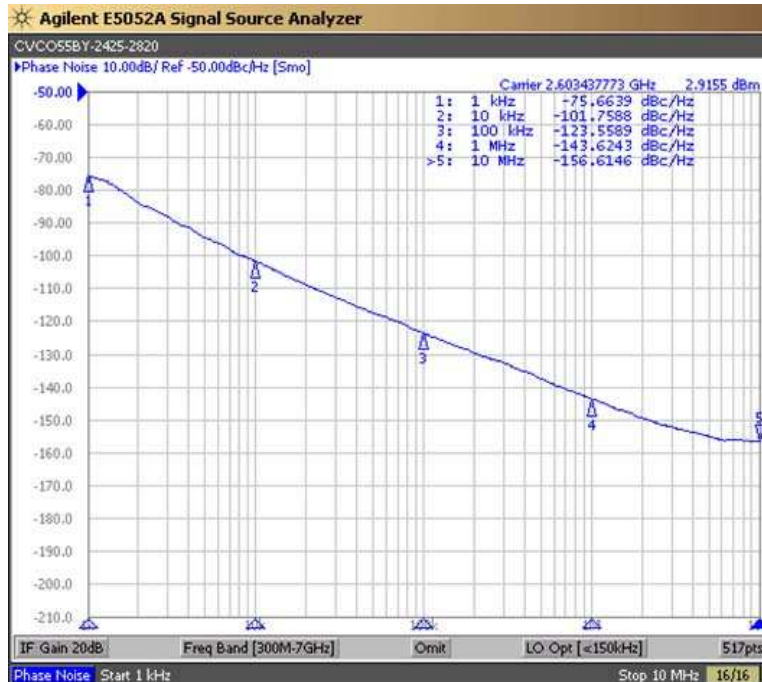
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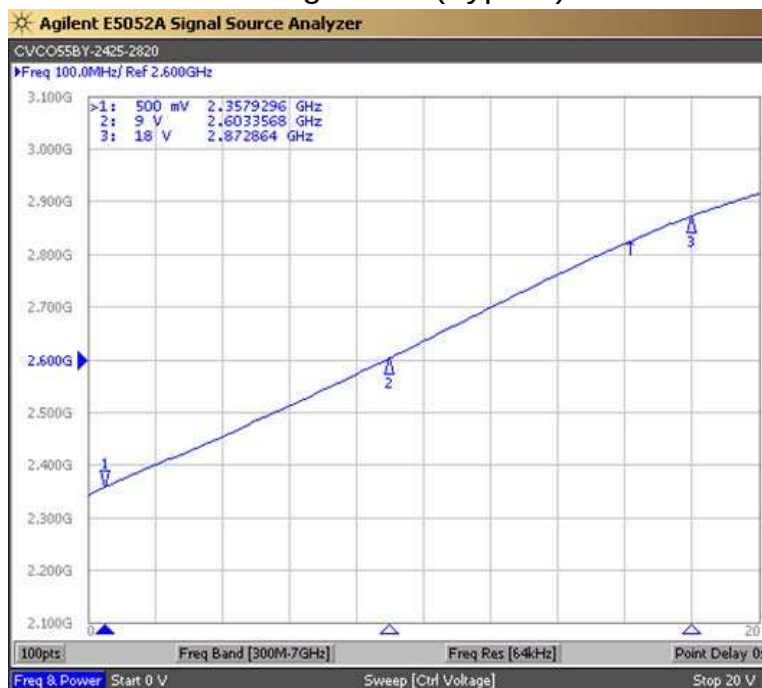
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RedBox VCO
CRBV55BY-2425-2820

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BYE-2425-2820	Release Date:	02-Aug-12
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Specification is subject to change without notice

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