



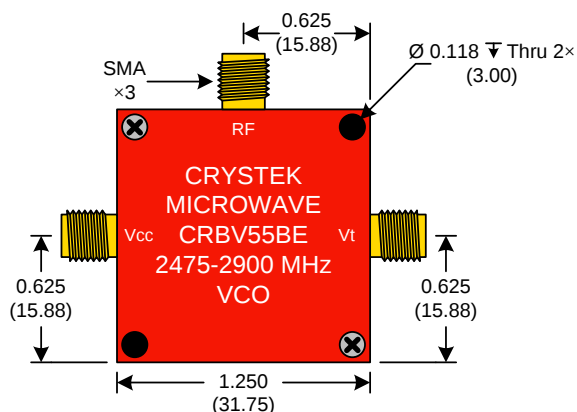
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2475-2900



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2475	MHz
Upper Frequency:	2900			MHz
Tuning Voltage:	0		16.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	-5.0	-2.5	0	dBm
Supply Current:		28		mA
Harmonic Suppression (2 nd Harmonic)		-15	-8	dBc
Pushing:		0.5		MHz/V
Pulling, all Phases:		1.0		MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-115	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+75	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

FRONT



BACK



SIDE



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

Product Control:

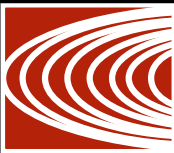
Crystek Part Number:	CRBV55BE-2475-2900	Release Date:	02-Apr-2014
Revision Level:	D	Responsible:	C. Vales

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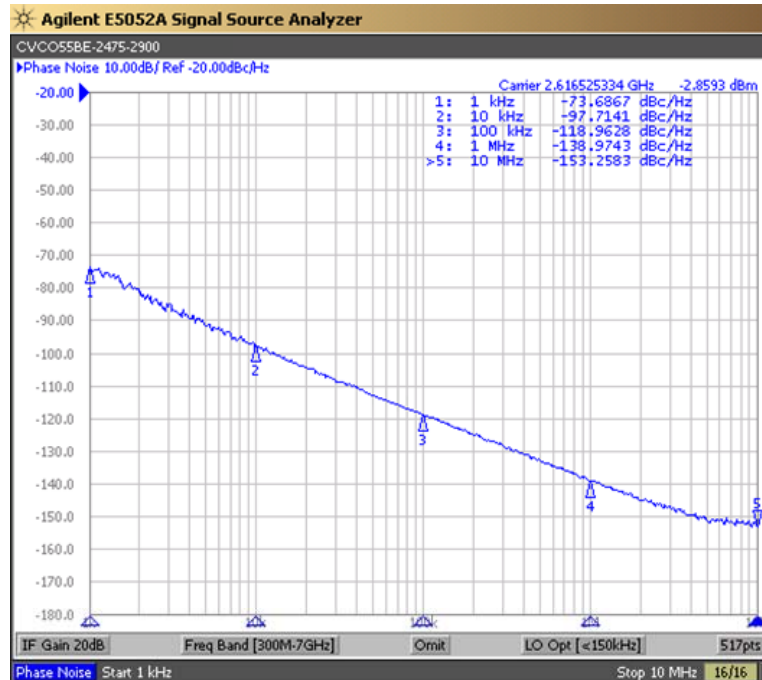
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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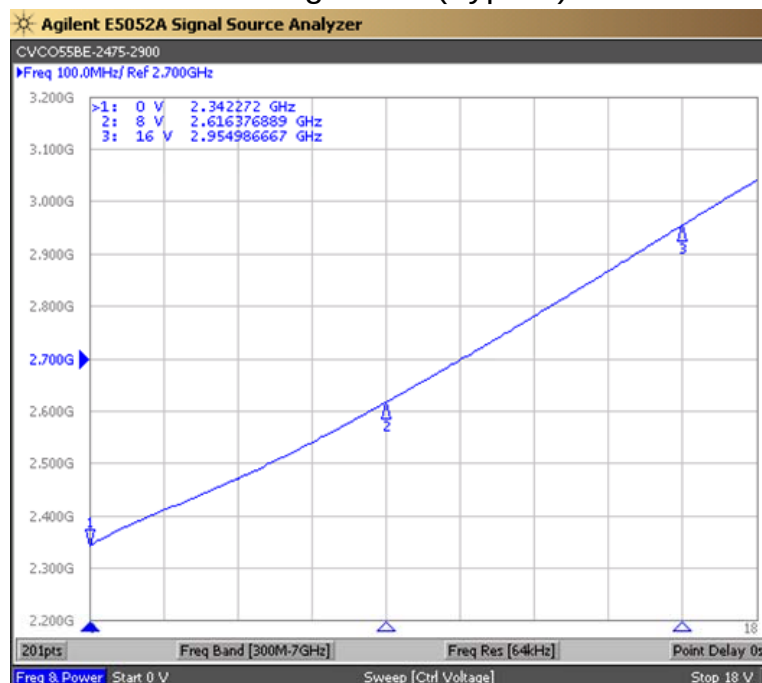
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RedBox VCO
CRBV55BE-2475-2900

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

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