



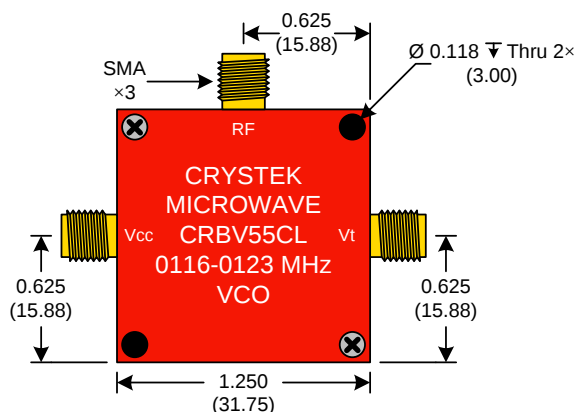
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0116-0123



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			116	MHz
Upper Frequency:	123			MHz
Tuning Voltage:	0.5		3.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+5.0	+7.5	+10.0	dBm
Supply Current:		13	25	mA
Harmonic Suppression (2 nd Harmonic)		-20		dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:			1.0	MHz pk-pk
Tuning Sensitivity:		6		MHz/V
Phase Noise @ 10kHz offset:		-120		dBc/Hz
Phase Noise @ 100kHz offset:		-140		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			150	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:	CRBV55CL-0116-0123	Release Date:	02-Sep-10
Revision Level:	A	Responsible:	C. Vales

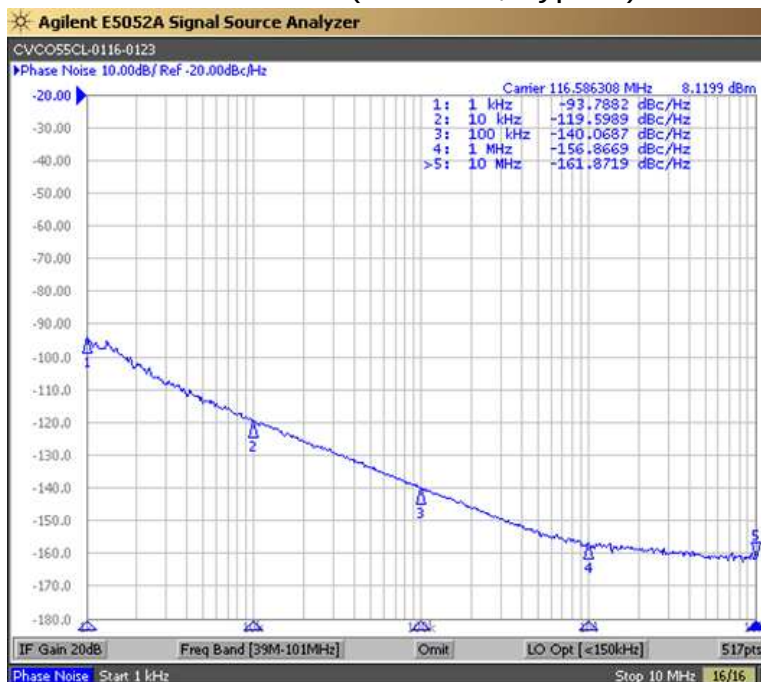
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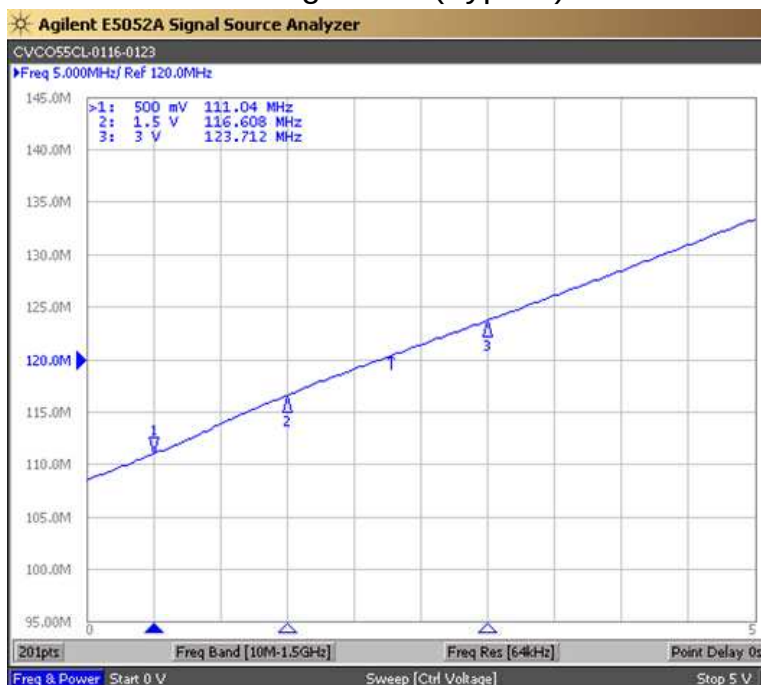
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice