



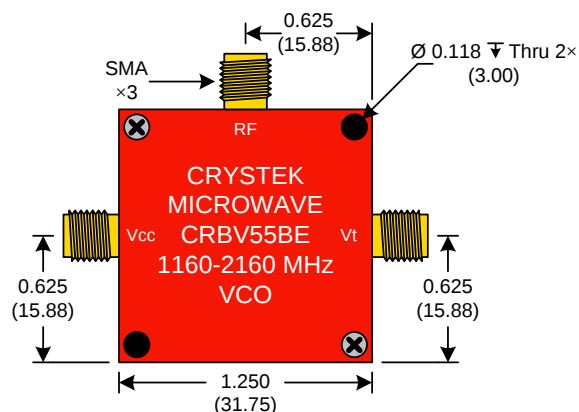
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1160-2160



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1160	MHz
Upper Frequency:	2160			MHz
Tuning Voltage:	0.5		20.0	VDC
Supply Voltage:	9.5	10.0	10.5	VDC
Output Power:	+3.0	+5.5	+8.0	dBm
Supply Current:			30	mA
Harmonic Suppression (2 nd Harmonic)		-11		dBc
Pushing:			1.5	MHz/V
Pulling, all Phases:			10.0	MHz pk-pk
Tuning Sensitivity:		77		MHz/V
Phase Noise @ 10kHz offset:		-97		dBc/Hz
Phase Noise @ 100kHz offset:		-117		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			33	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-1160-2160	Release Date:	09-Nov-10
Revision Level:	A	Responsible:	C. Vales

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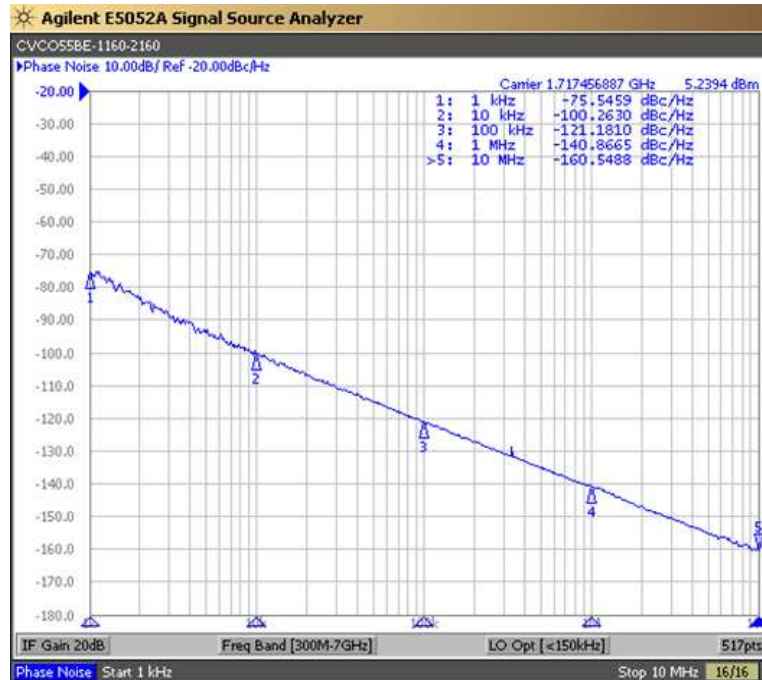
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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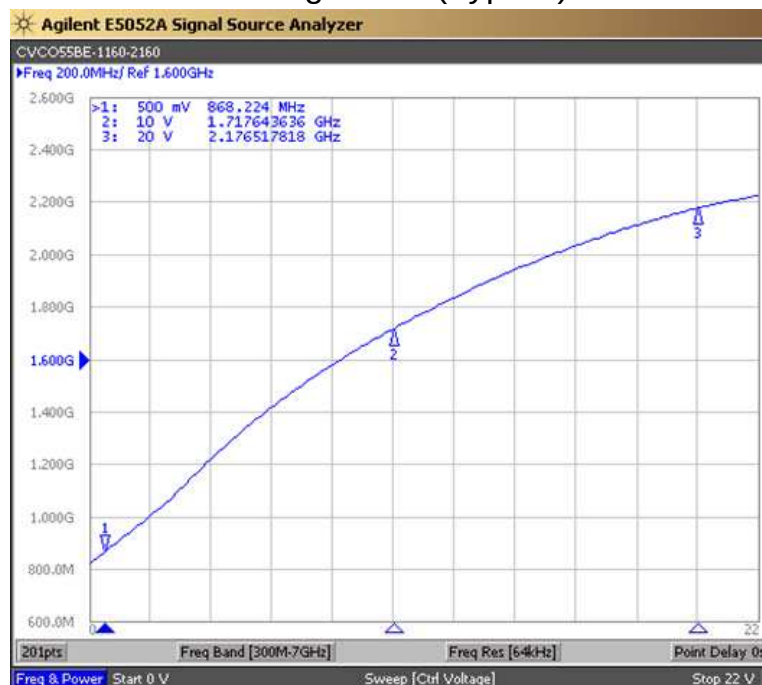
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CRBV55BE-1160-2160

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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