



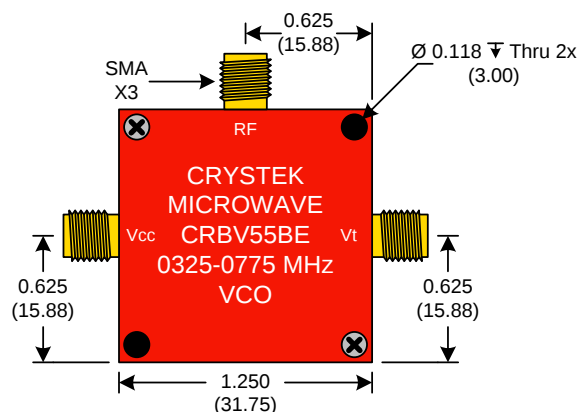
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-0325-0775



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			325	MHz
Upper Frequency:	775			MHz
Tuning Voltage:	0		12	VDC
Supply Voltage:	11.75	12	12.25	VDC
Output Power:	+5	+7	+9	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2 nd Harmonic)		-10	-5	dBc
Pushing:		0.5	1.5	MHz/V
Pulling, all Phases:		2.5	5.0	MHz pk-pk
Tuning Sensitivity:		45		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-126		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			330	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-0325-0775	Release Date:	06-Jan-09
Revision Level:	C	Responsible:	C. Vales

Page 1 of 2



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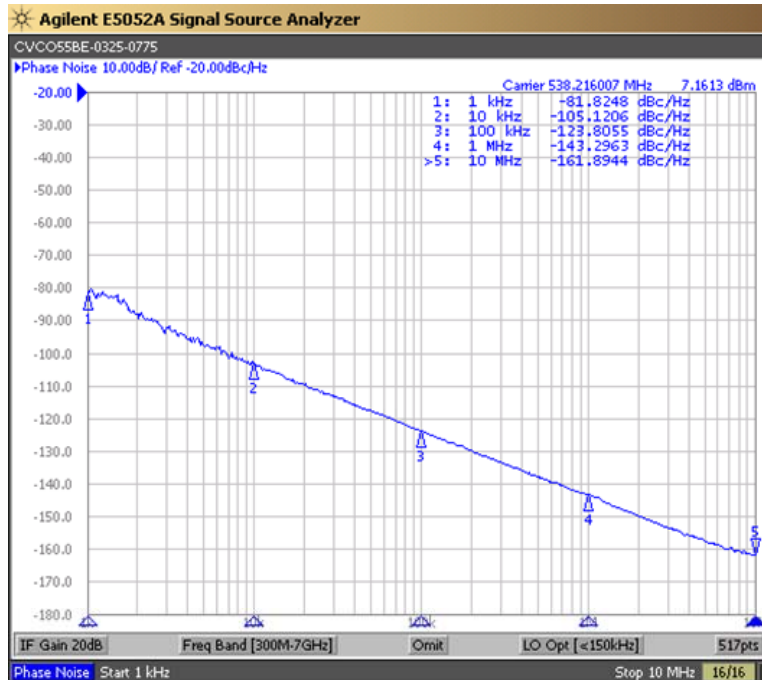
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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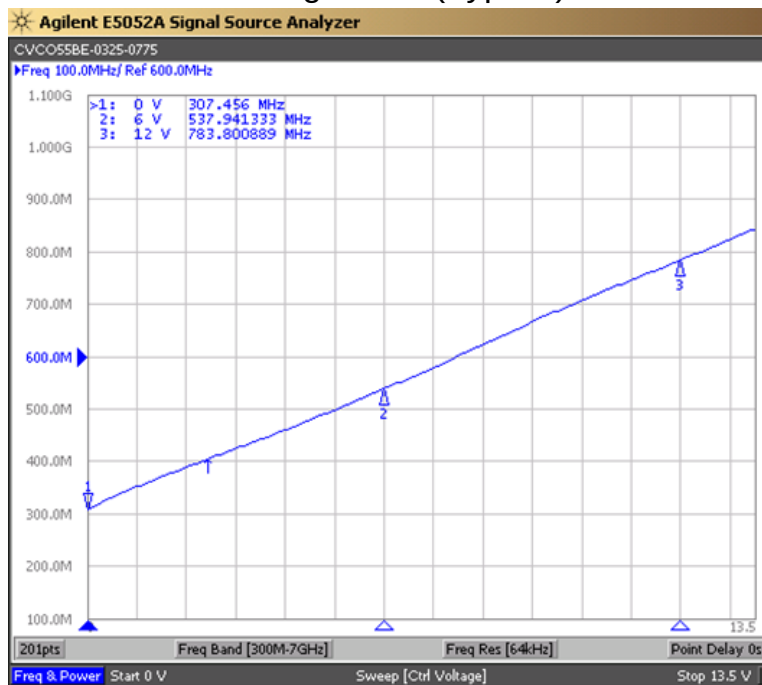
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

Page 2 of 2



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