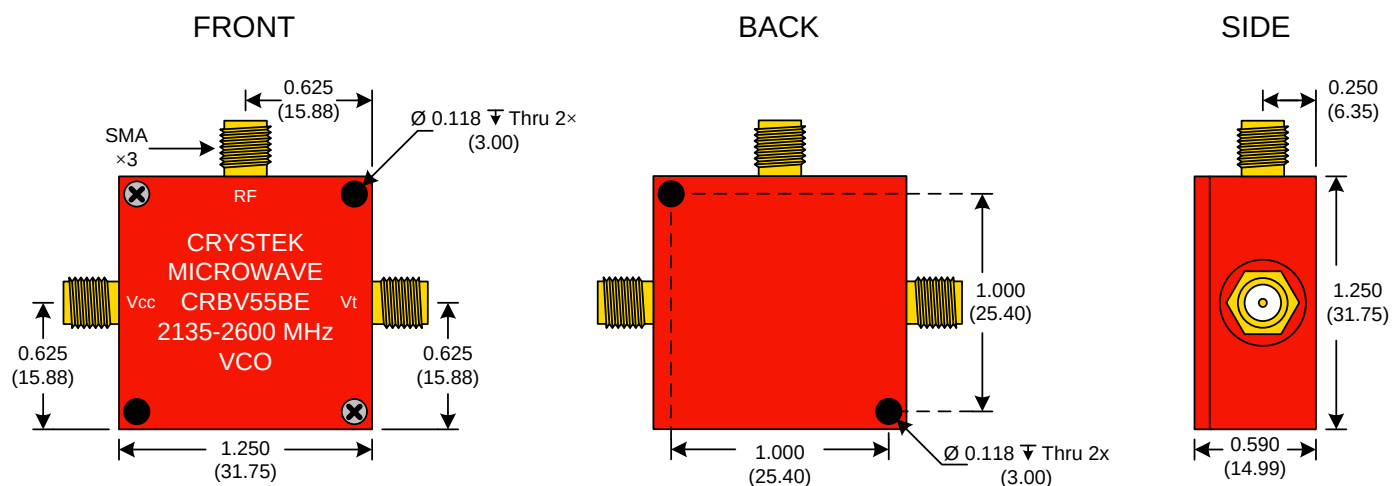




RedBox VCO
CRBV55BE-2135-2600



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2135	MHz
Upper Frequency:	2600			MHz
Tuning Voltage:	1.0		8.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+5.0	+8.0	dBm
Supply Current:			30	mA
Harmonic Suppression (2 nd Harmonic)		-15	-12	dBc
Pushing:		1.0		MHz/V
Pulling, all Phases:		10.0		MHz pk-pk
Tuning Sensitivity:		93		MHz/V
Phase Noise @ 10kHz offset:		-96		dBc/Hz
Phase Noise @ 100kHz offset:		-119		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			27	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C



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

Product Control:

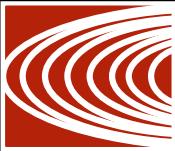
Crystek Part Number:	CRBV55BE-2135-2600	Release Date:	08-Nov-10
Revision Level:	A	Responsible:	C. Vales

Page 1 of 2



CRYSTEK
CORPORATION

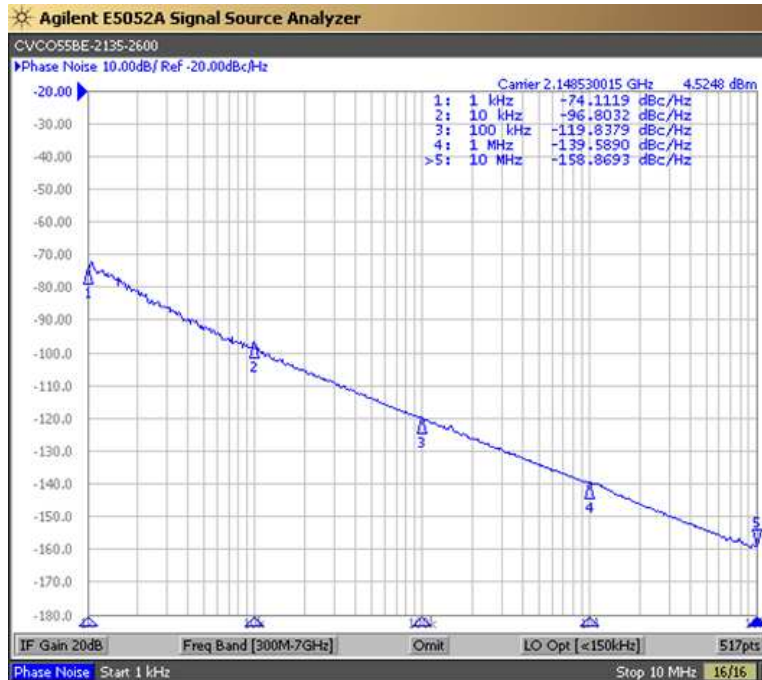
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



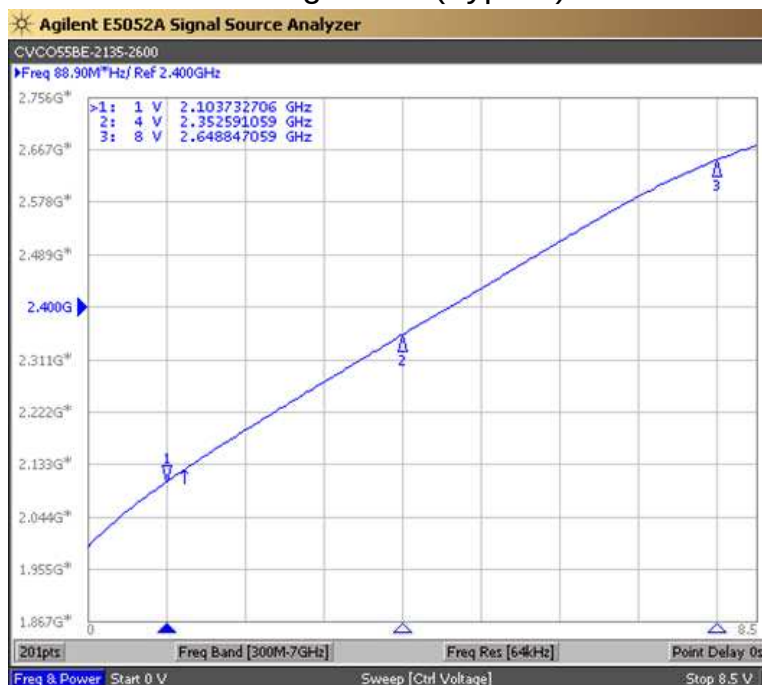
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2135-2600

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-2135-2600	Release Date:	08-Nov-10
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



CRYSTEK
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM