

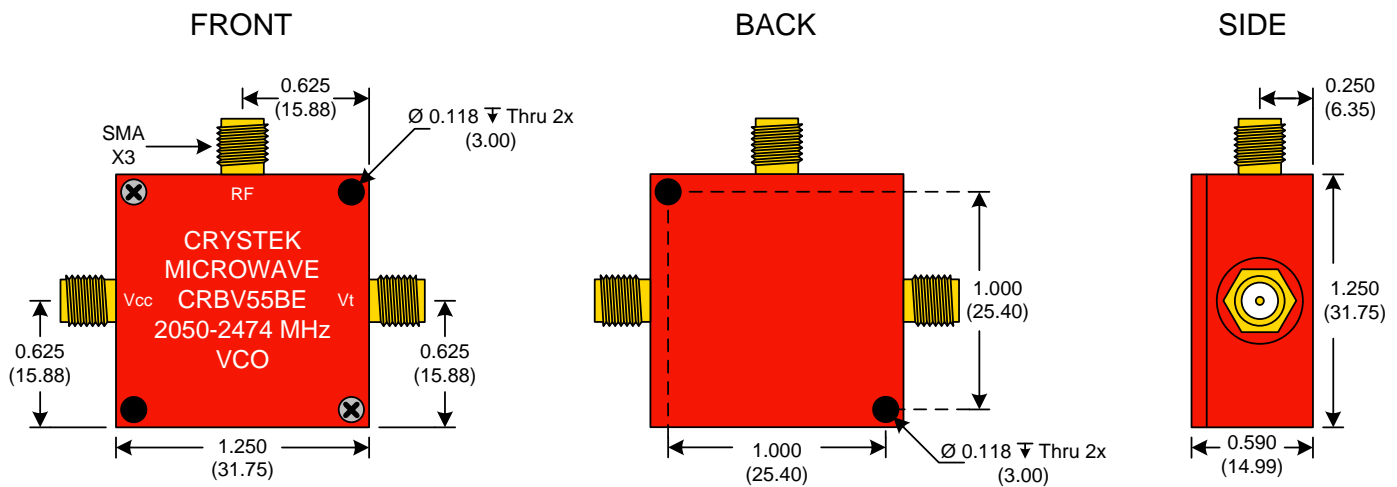


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-2050-2474



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2050	MHz
Upper Frequency:	2474			MHz
Tuning Voltage:	0		16.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		28	35	mA
Harmonic Suppression (2 nd Harmonic)		-15	-8	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	2.5	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-103	-99	dBc/Hz
Phase Noise @ 100kHz offset:		-125	-120	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+75	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

Product Control:

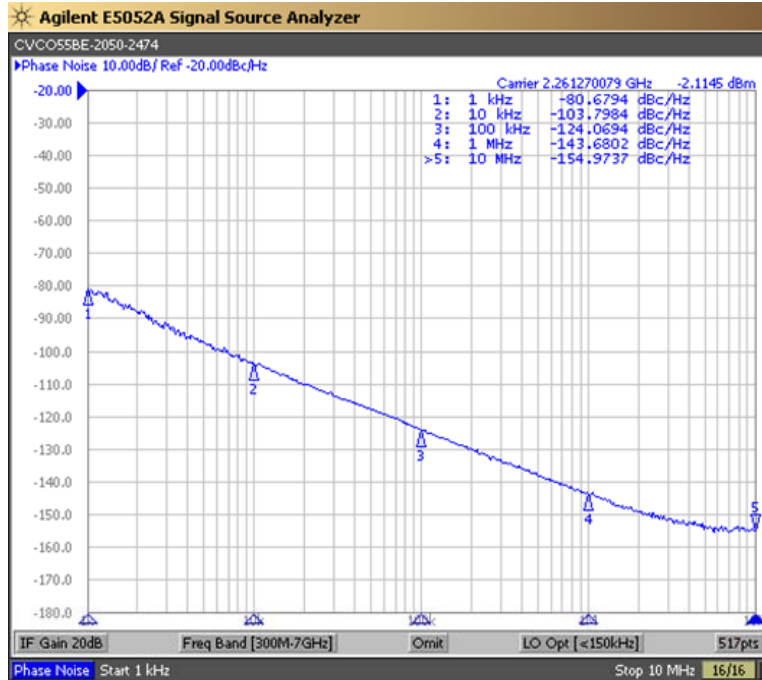
Crystek Part Number:	CRBV55BE-2050-2474	Release Date:	08-Jan-09
Revision Level:	C	Responsible:	C. Vales



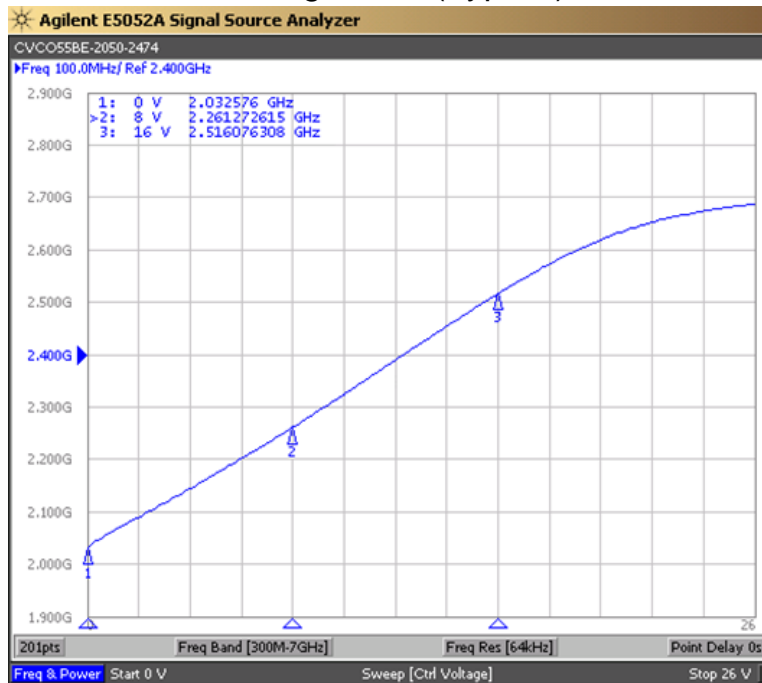
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-2050-2474	Release Date:	08-Jan-09
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice