



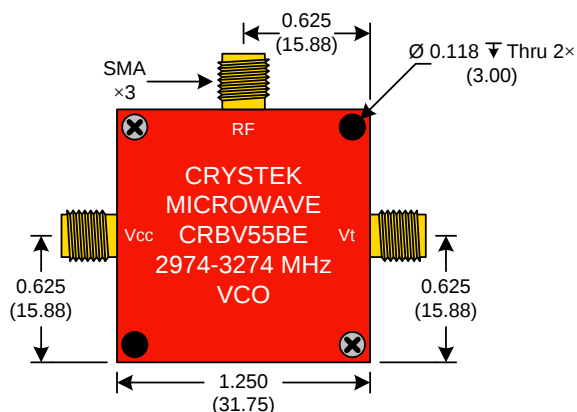
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2974-3274

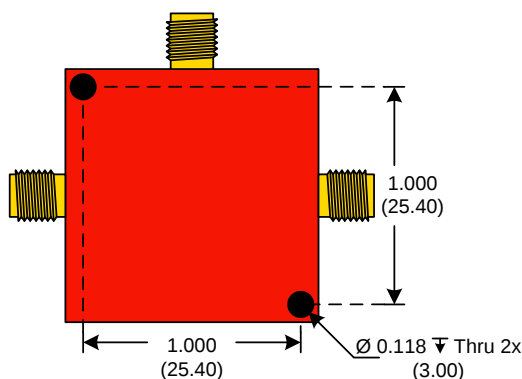


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2974	MHz
Upper Frequency:	3274			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:			27	mA
Harmonic Suppression (2 nd Harmonic):		-30	-15	dBc
Pushing:		1.5	2.5	MHz/V
Pulling, all Phases:			15.0	MHz pk-pk
Tuning Sensitivity:		100		MHz/V
Phase Noise @ 10kHz offset:		-93	-90	dBc/Hz
Phase Noise @ 100kHz offset:		-119	-116	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			30	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

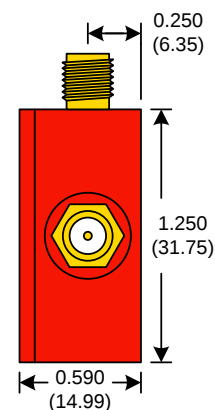
FRONT



BACK



SIDE



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

Product Control:

Crystek Part Number:	CRBV55BE-2974-3274	Release Date:	02-Oct-08
Revision Level:	A	Responsible:	C. Vales

Page 1 of 2



CRYSTEK
CORPORATION

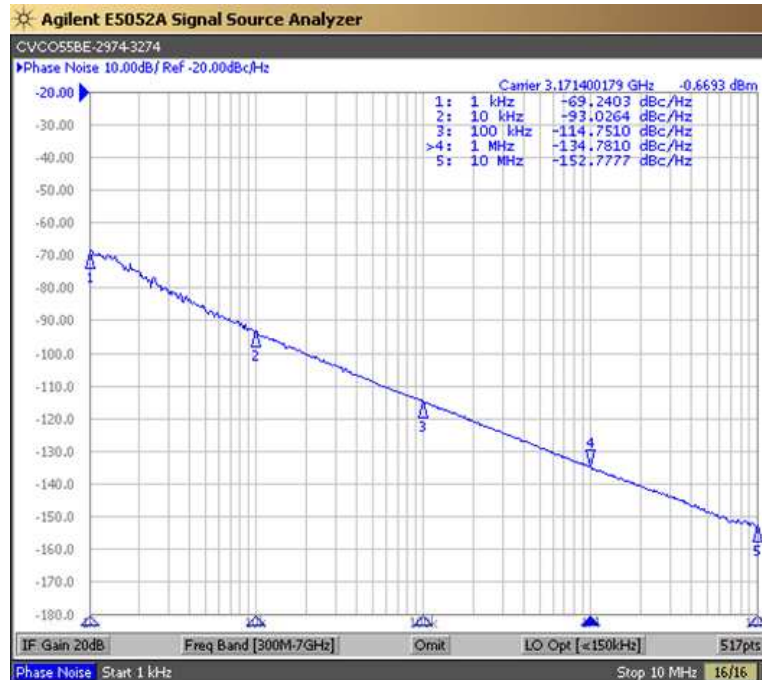
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



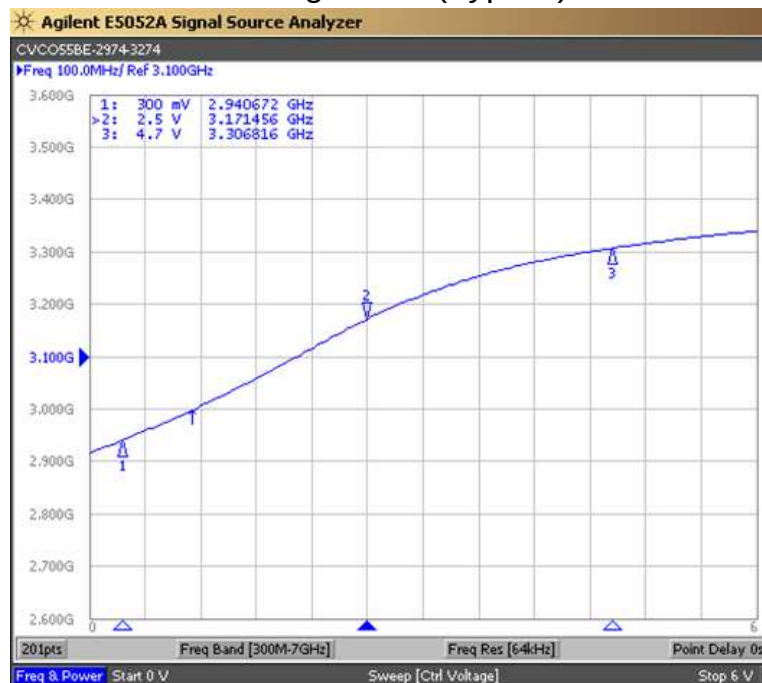
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2974-3274

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-2974-3274	Release Date:	02-Oct-08
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