

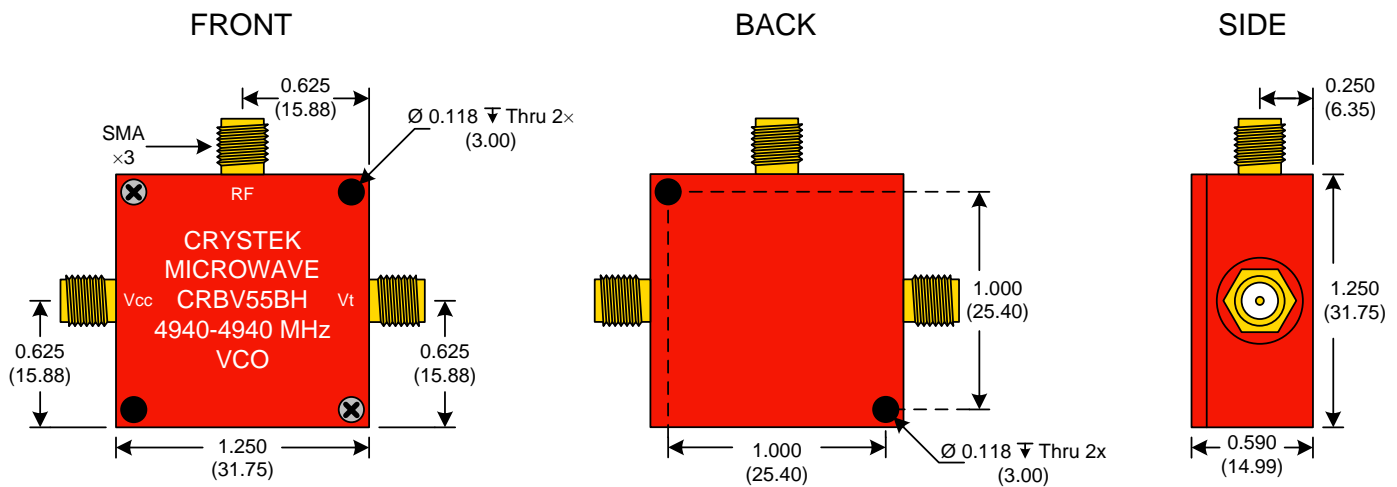


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BH-4940-4940



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:		4940		MHz
Upper Frequency:				MHz
Tuning Voltage:	0.5		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-2.0	0	+2.0	dBm
Supply Current:		20	30	mA
Harmonic Suppression (2 nd Harmonic):		-20		dBc
Pushing:		5.0		MHz/V
Pulling, all Phases:		15.0		MHz pk-pk
Tuning Sensitivity:		25		MHz/V
Phase Noise @ 10kHz offset:		-88	-84	dBc/Hz
Phase Noise @ 100kHz offset:		-110	-106	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			10	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

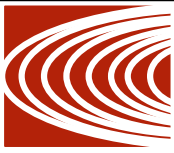
Product Control:

Crystek Part Number:	CRBV55BH-4940-4940	Release Date:	16-Oct-08
Revision Level:	A	Responsible:	C. Vales

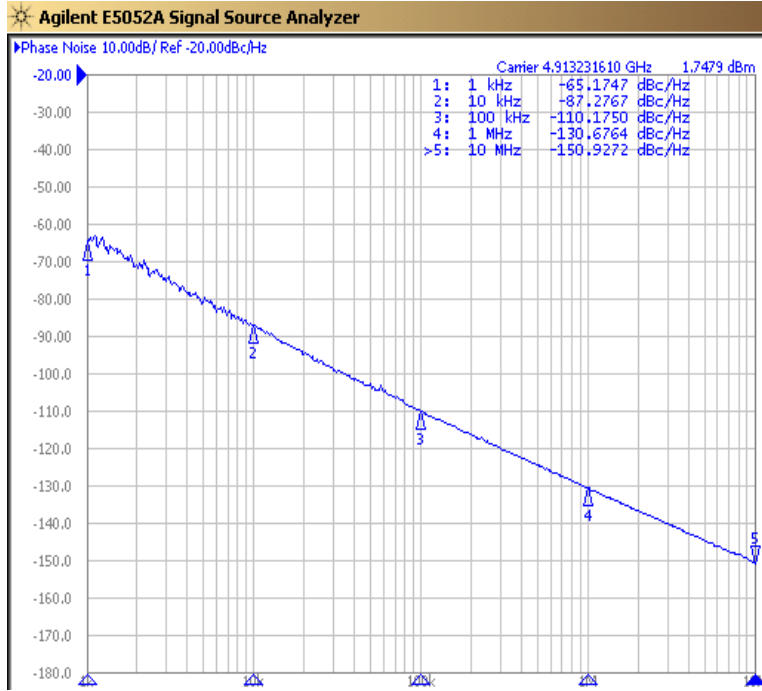


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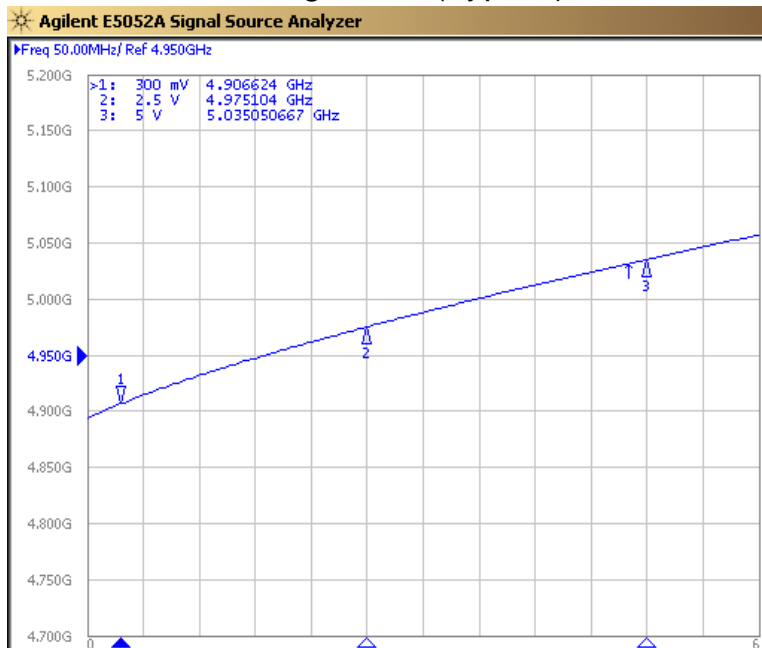
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

