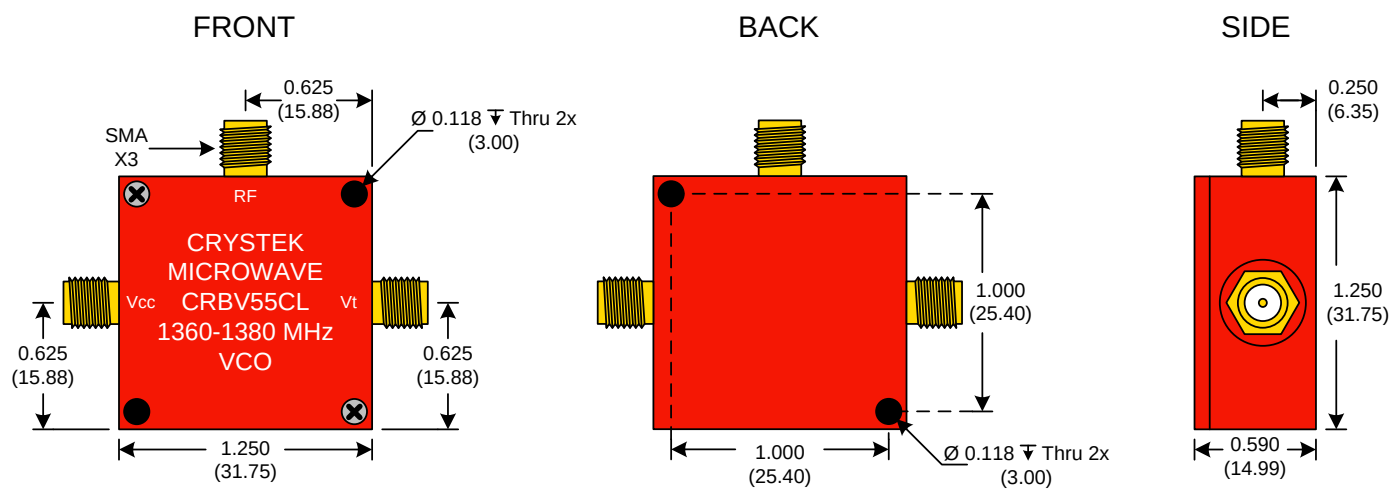




RedBox VCO
CRBV55CL-1360-1380



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1360	MHz
Upper Frequency:	1380			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:			30	mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:			3.0	MHz/V
Pulling, all Phases:			8.0	MHz pk-pk
Tuning Sensitivity:		8		MHz/V
Phase Noise @ 10kHz offset:		-105	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-126	-122	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	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:

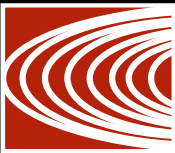
Crystek Part Number:	CRBV55CL-1360-1380	Release Date:	04-Feb-09
Revision Level:	B	Responsible:	C. Vales

Page 1 of 2

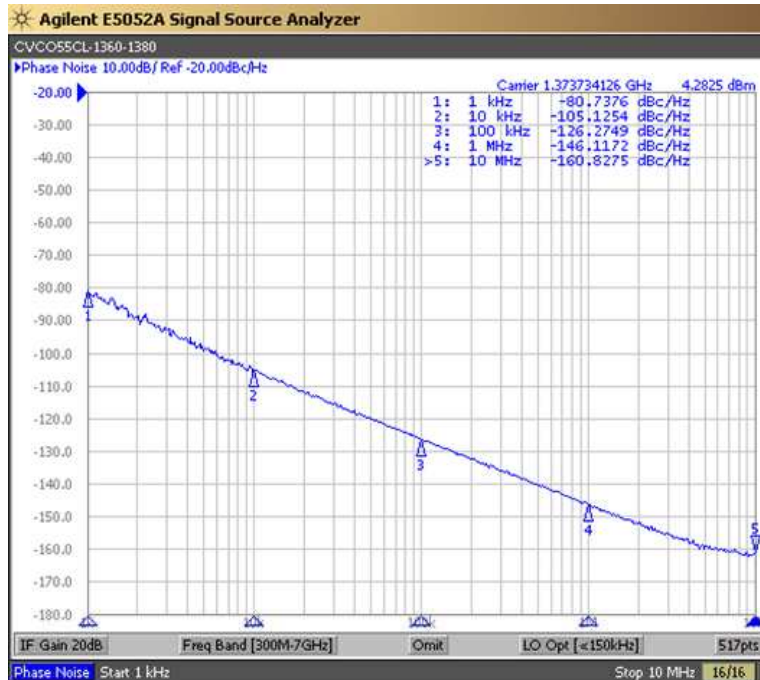


CRYSTEK
CORPORATION

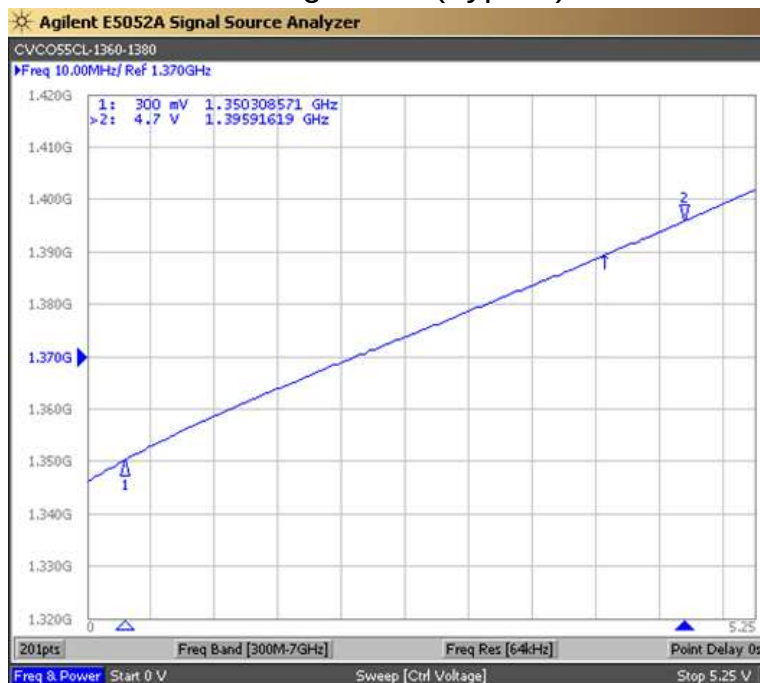
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CL-1360-1380	Release Date:	04-Feb-09
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice

