

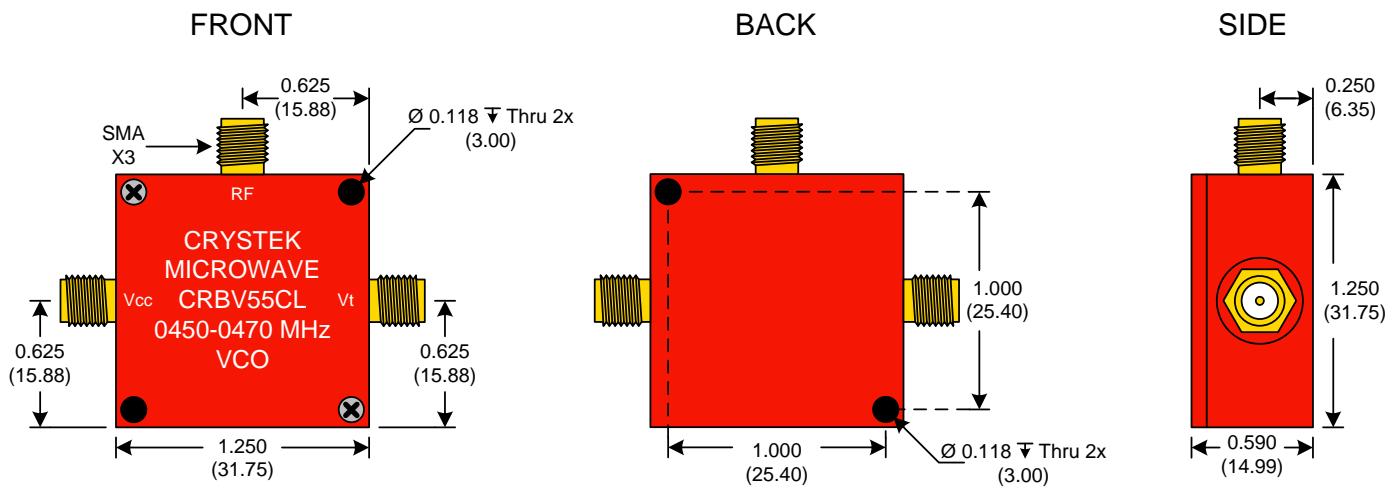


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55CL-0450-0470



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			450	MHz
Upper Frequency:	470			MHz
Tuning Voltage:	1.5		3.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-4.0	0	+4.0	dBm
Supply Current:		16	25	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:		0.5	2.0	MHz/V
Pulling, all Phases:		0.5	2.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-133		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C



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

Product Control:

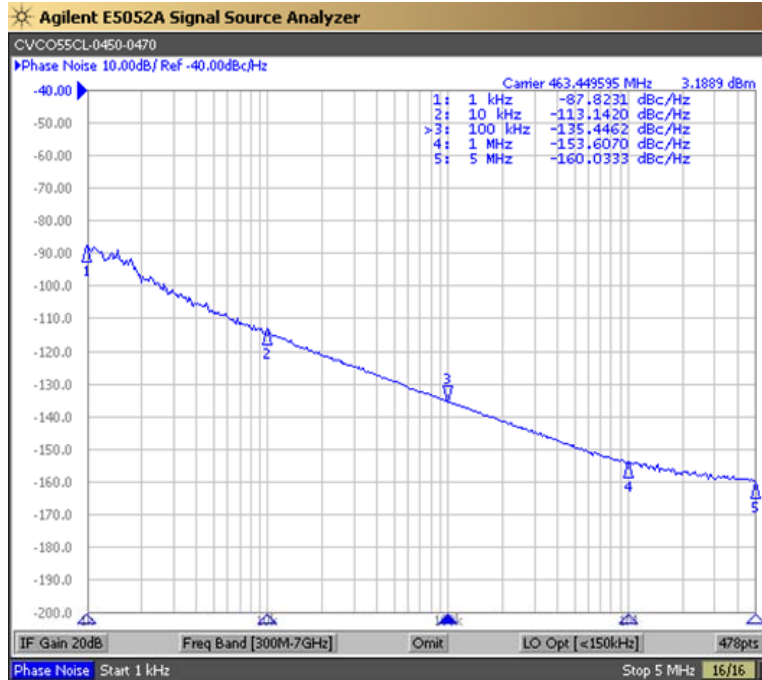
Crystek Part Number:	CRBV55CL-0450-0470	Release Date:	02-Feb-09
Revision Level:	C	Responsible:	C. Vales



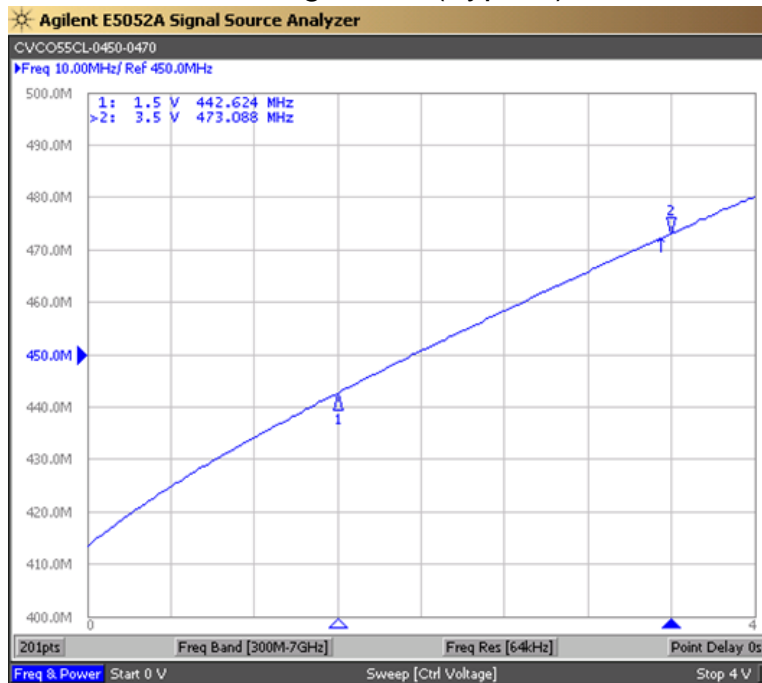
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice