

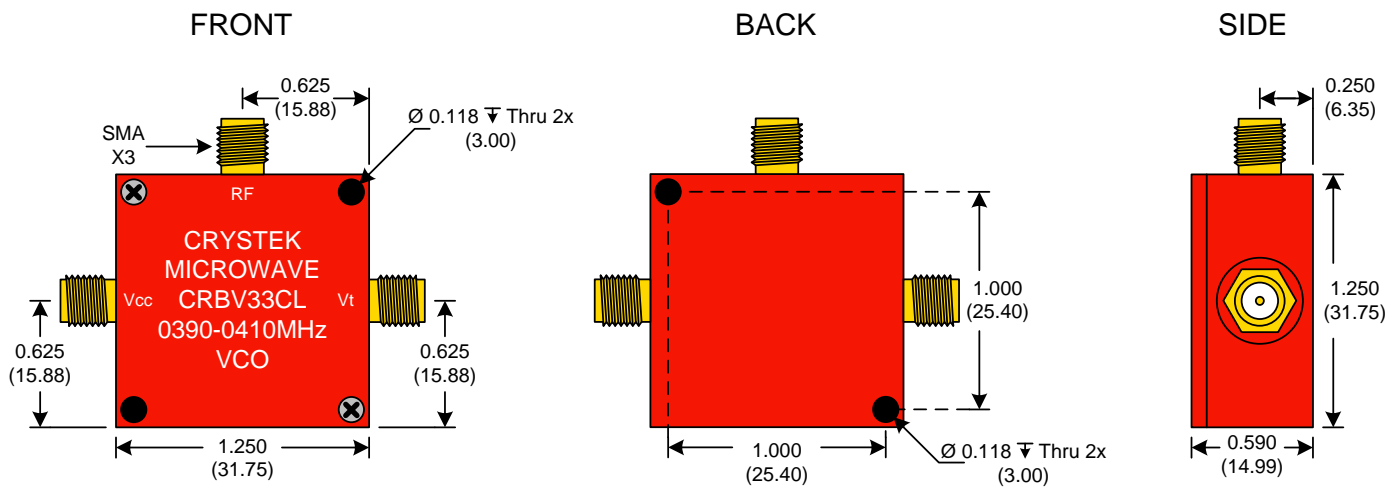


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV33CL-0390-0410



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			390	MHz
Upper Frequency:	410			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10	15	mA
Harmonic Suppression (2 nd Harmonic)		-12	-9	dBc
Pushing:		1.0	1.5	MHz/V
Pulling, all Phases:		1.0	1.5	MHz pk-pk
Tuning Sensitivity:		12		MHz/V
Phase Noise @ 10kHz offset:		-105		dBc/Hz
Phase Noise @ 100kHz offset:		-130		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	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:

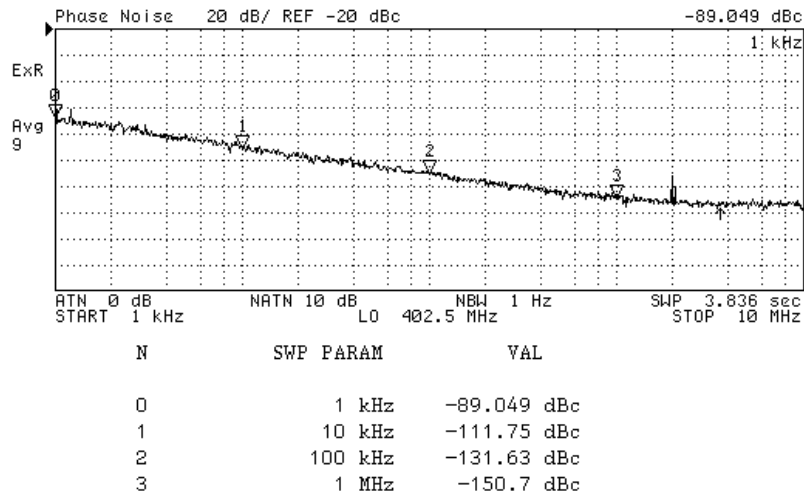
Crystek Part Number:	CRBV33CL-0390-0410	Release Date:	17-Dec-07
Revision Level:	A	Responsible:	C. Vales



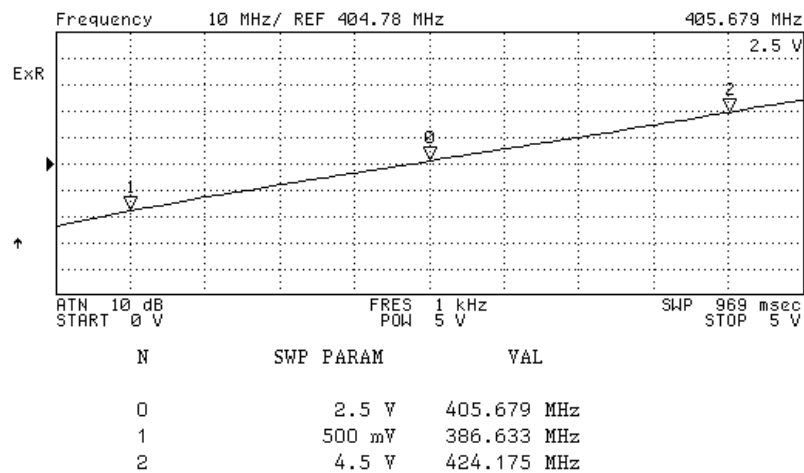
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice