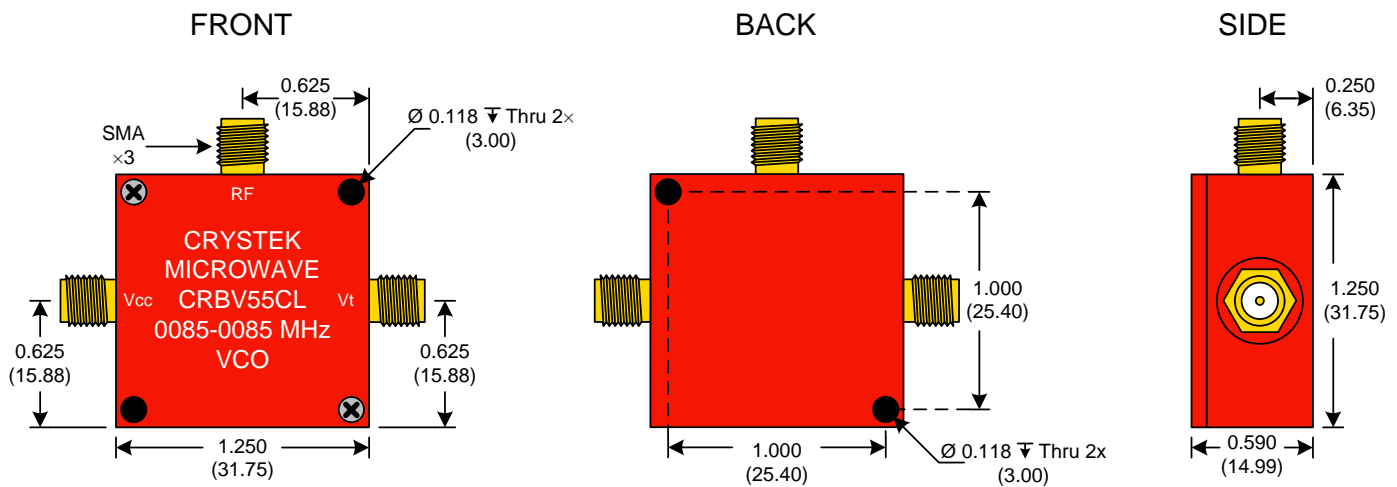


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			85	MHz
Upper Frequency:	85			MHz
Tuning Voltage:	1.0		4.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+6.0	+9.0	+12.0	dBm
Supply Current:		25	50	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-20		dBc
Pushing:			5.0	MHz/V
Pulling, all Phases:			5.0	MHz pk-pk
Tuning Sensitivity:	2	3	4	MHz/V
Phase Noise @ 10kHz offset:		-120		dBc/Hz
Phase Noise @ 100kHz offset:		-137		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			330	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

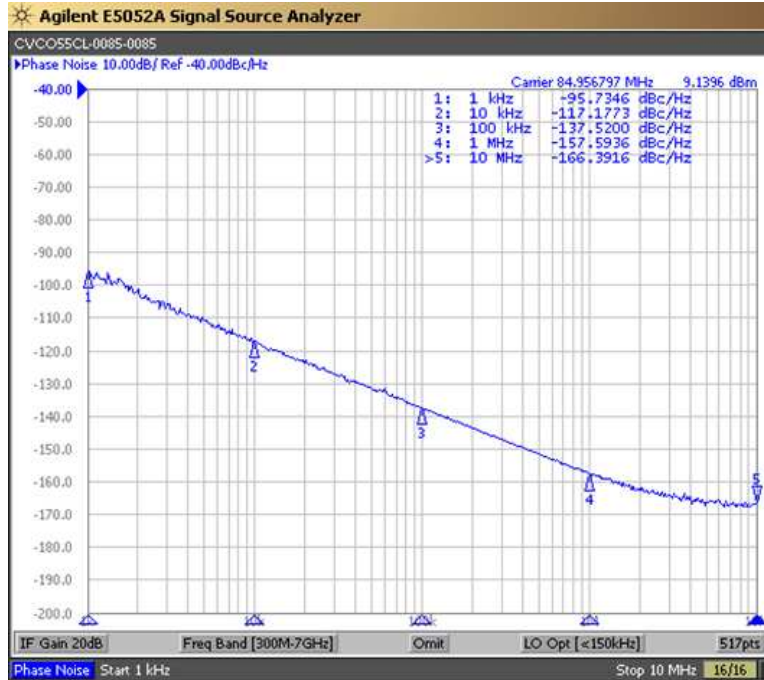
**Product Control:**

Crystek Part Number:	CRBV55CL-0085-0085	Release Date:	20-Sep-10
Revision Level:	A	Responsible:	C. Vales

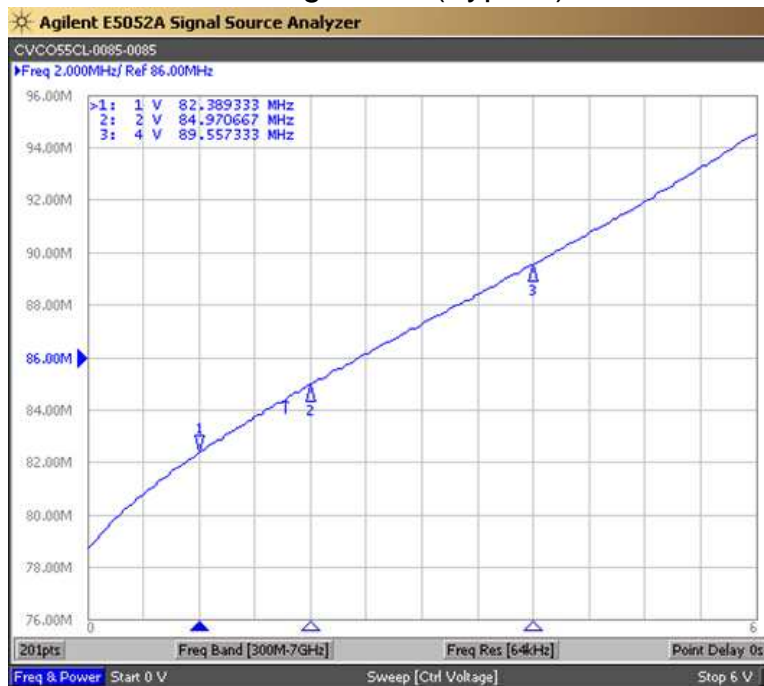




Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55CL-0085-0085	Release Date:	20-Sep-10
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice