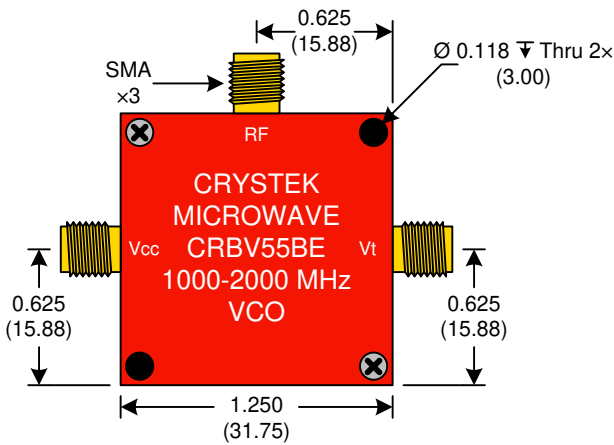


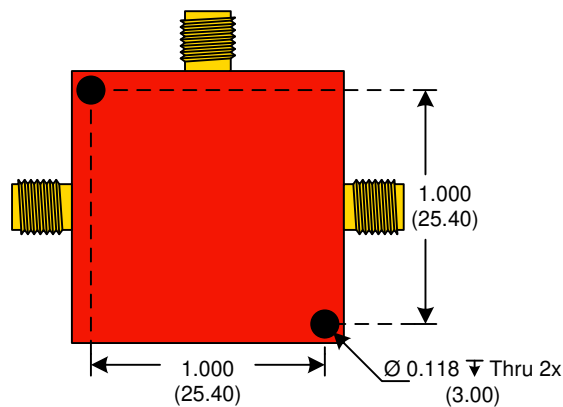


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	2000			MHz
Tuning Voltage:	1.0		20.0	VDC
Supply Voltage:	9.75	10.0	10.25	VDC
Output Power:	+6.0	+9.0	+12.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-10	-5	dBc
Pushing:		2.5	5.0	MHz/V
Pulling, all Phases:		7.5	15.0	MHz pk-pk
Tuning Sensitivity:		53		MHz/V
Phase Noise @ 10kHz offset:		-95		dBc/Hz
Phase Noise @ 100kHz offset:		-115		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			33	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

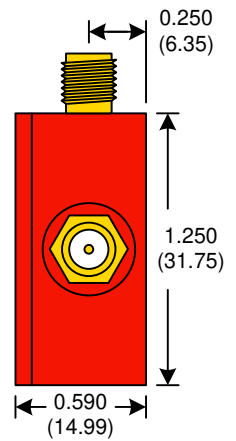
FRONT



BACK



SIDE

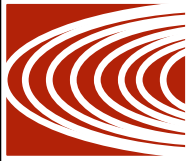


● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{(\text{mm})}$

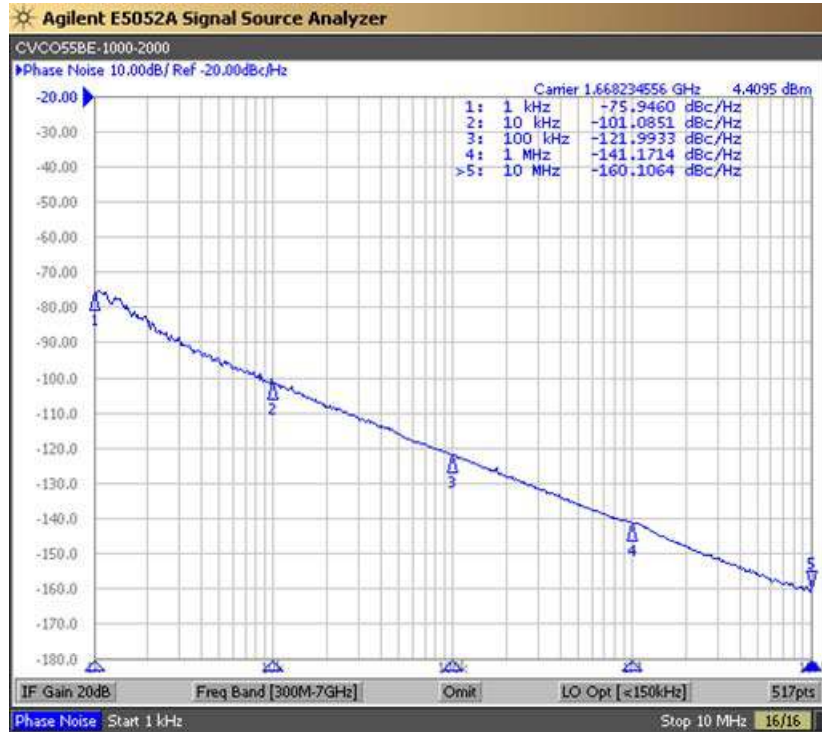
**Product Control:**

Crystek Part Number:	CRBV55BE-1000-2000	Release Date:	29-Feb-2016
Revision Level:	G	Responsible:	C. Vales

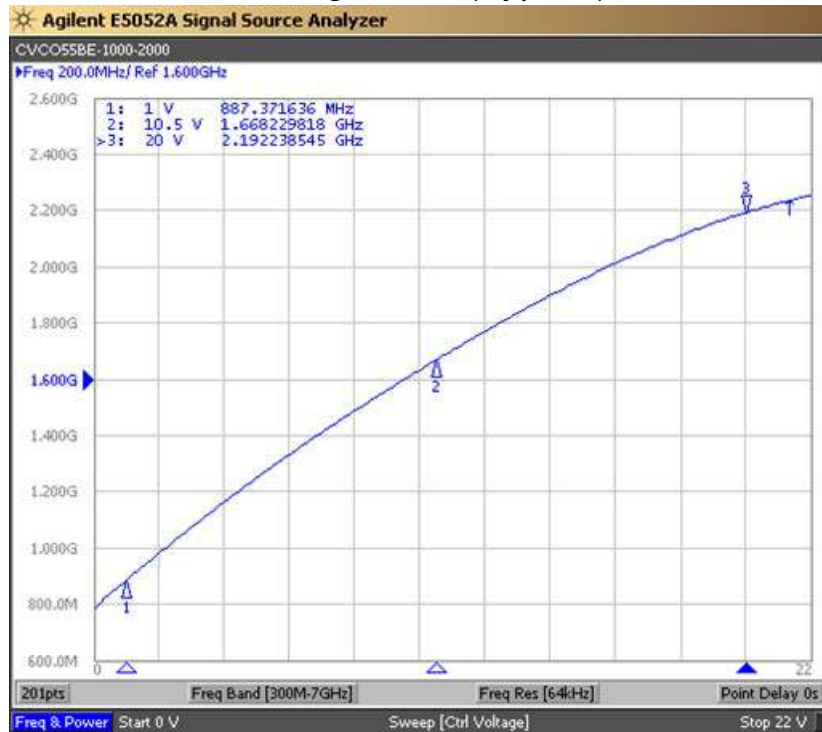




Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-1000-2000	Release Date:	29-Feb-2016
Revision Level:	G	Responsible:	C. Vales

Specification is subject to change without notice

