

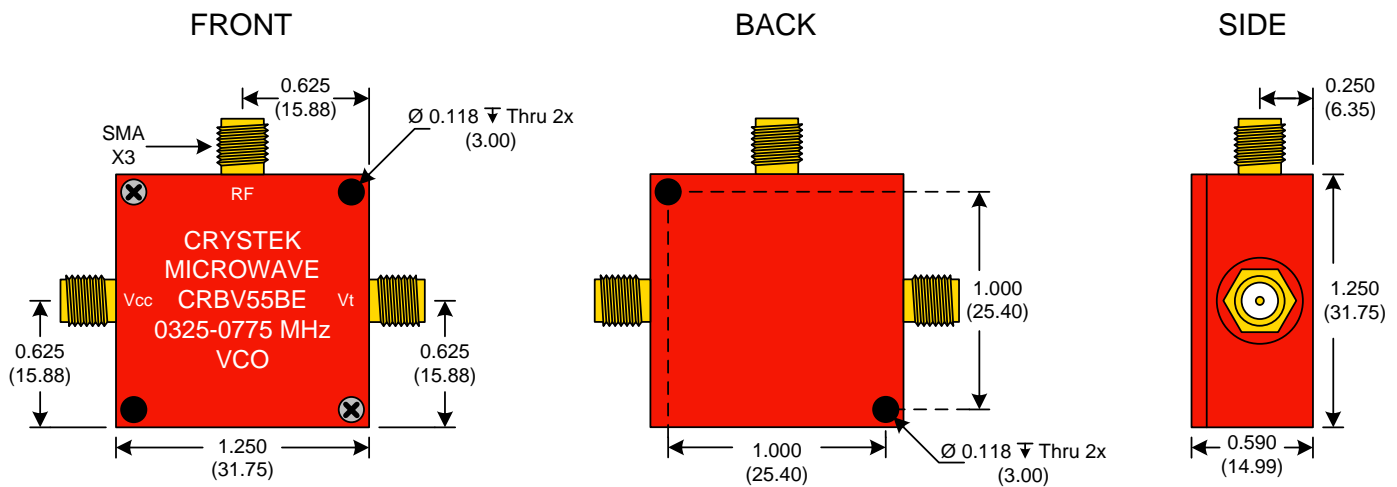


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox** VCO  
 CRBV55BE-0325-0775



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			325	MHz
Upper Frequency:	775			MHz
Tuning Voltage:	0		12	VDC
Supply Voltage:	11.75	12	12.25	VDC
Output Power:	+5	+7	+9	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-10	-5	dBc
Pushing:		0.5	1.5	MHz/V
Pulling, all Phases:		2.5	5.0	MHz pk-pk
Tuning Sensitivity:		45		MHz/V
Phase Noise @ 10kHz offset:		-106	-101	dBc/Hz
Phase Noise @ 100kHz offset:		-128	-123	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			330	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



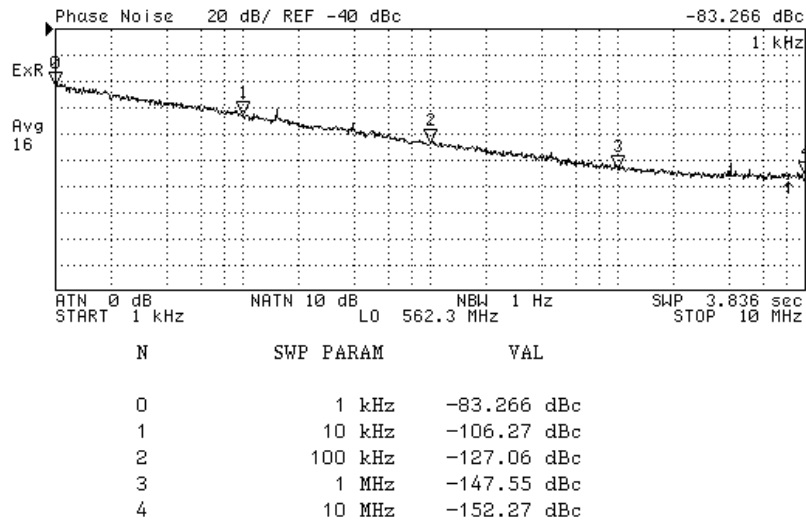
● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{\text{(mm)}}$

**Product Control:**

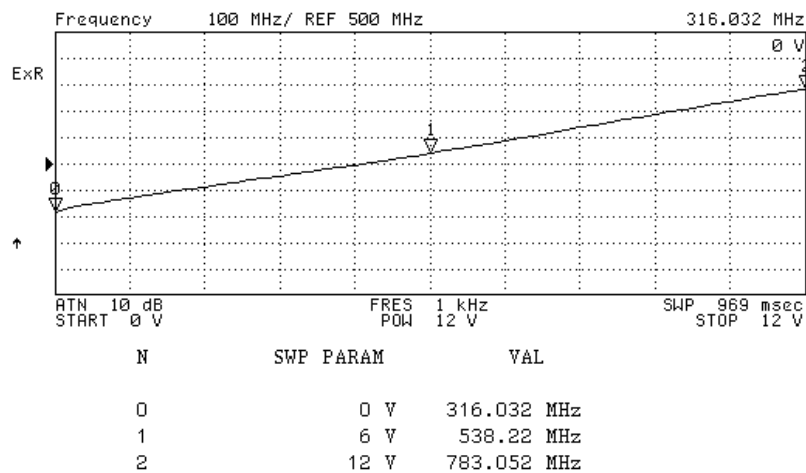
Crystek Part Number:	CRBV55BE-0325-0775	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-0325-0775	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice