

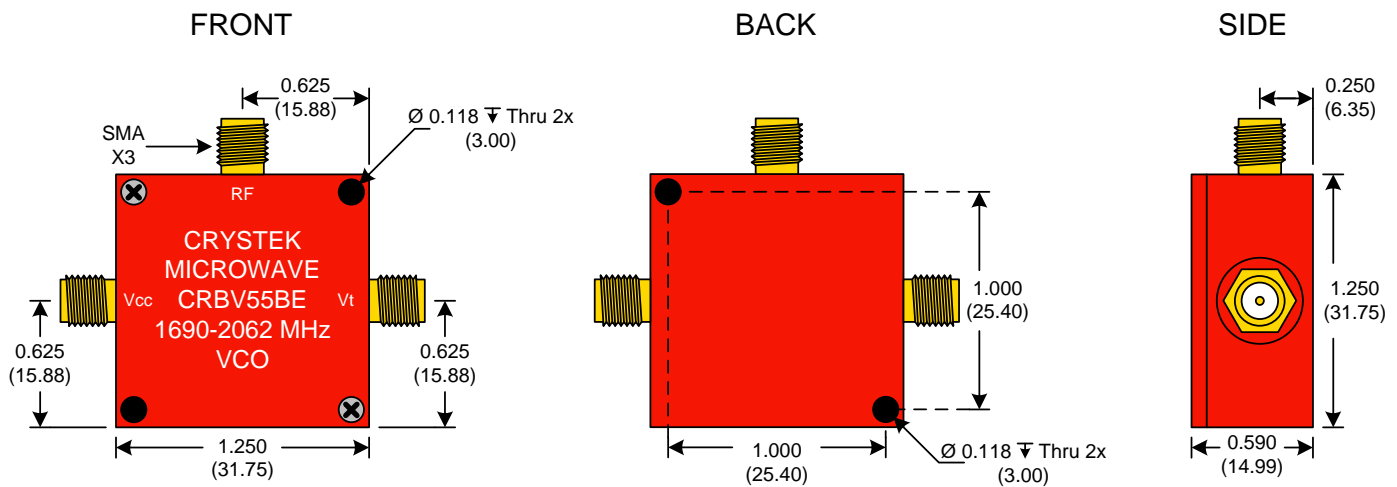


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-1690-2062



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1690	MHz
Upper Frequency:	2062			MHz
Tuning Voltage:	0		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:			20	mA
Harmonic Suppression (2 nd Harmonic)		-22	-13	dBc
Pushing:		6.0	10.0	MHz/V
Pulling, all Phases:		8.0	13.0	MHz pk-pk
Tuning Sensitivity:		145		MHz/V
Phase Noise @ 10kHz offset:		-96	-90	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-114	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			15	pF
Operating Temperature Range:	0		+70	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



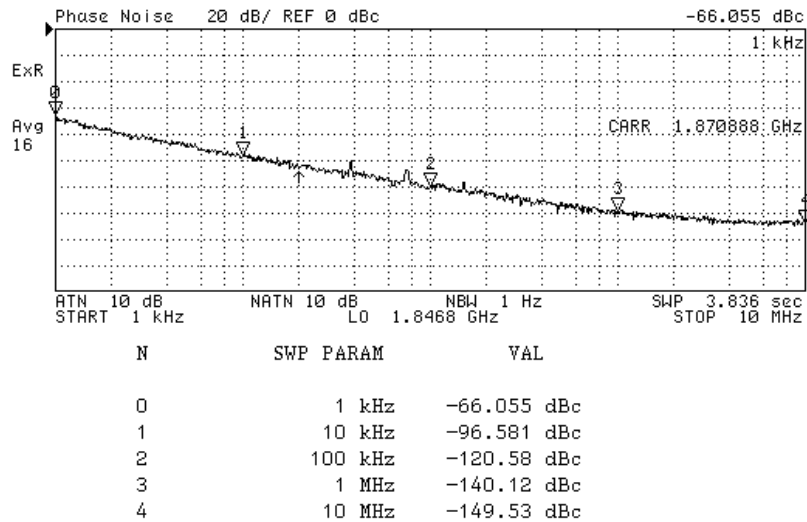
● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{\text{mm}}$

Product Control:

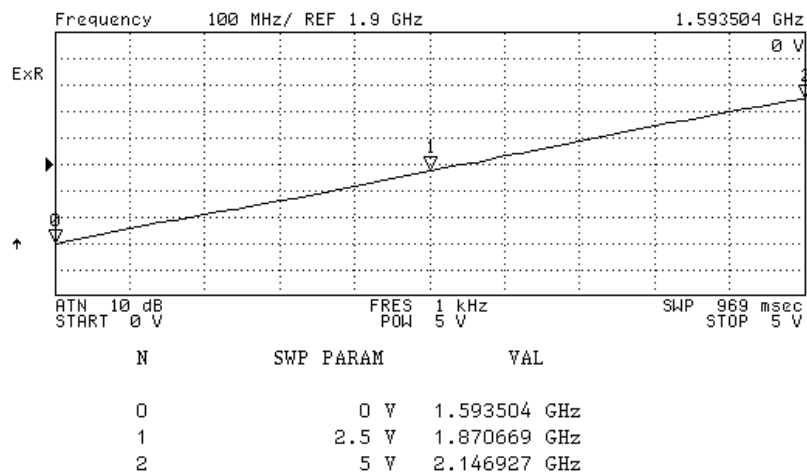
Crystek Part Number:	CRBV55BE-1690-2062	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice