

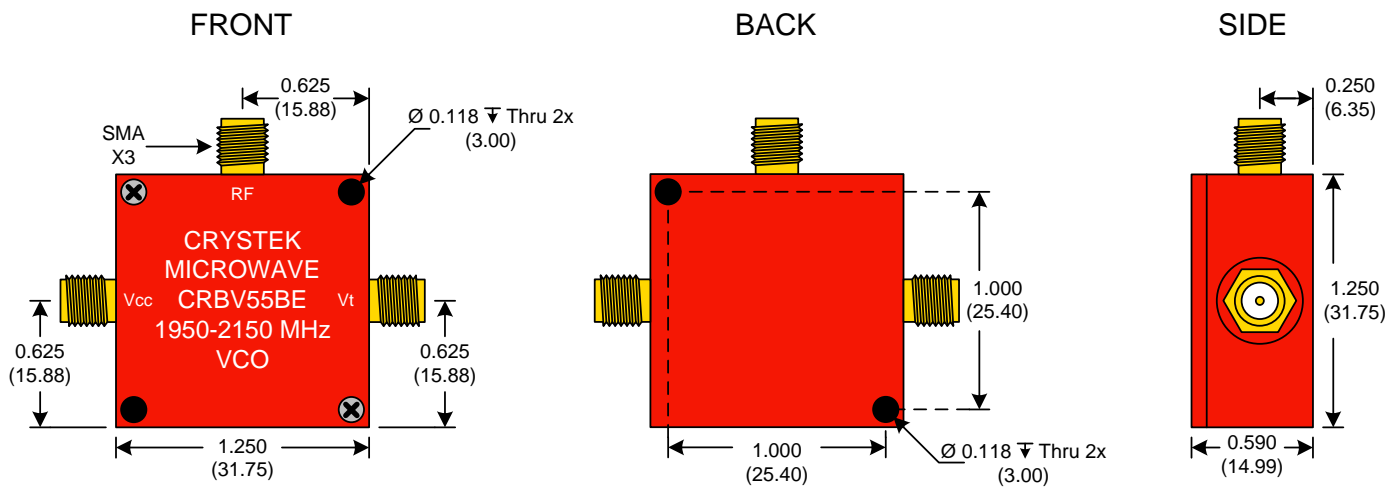


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-1950-2150



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1950	MHz
Upper Frequency:	2150			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:		16		mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		1.0	3.0	MHz/V
Pulling, all Phases:		4.0	10.0	MHz pk-pk
Tuning Sensitivity:		72		MHz/V
Phase Noise @ 10kHz offset:		-96		dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



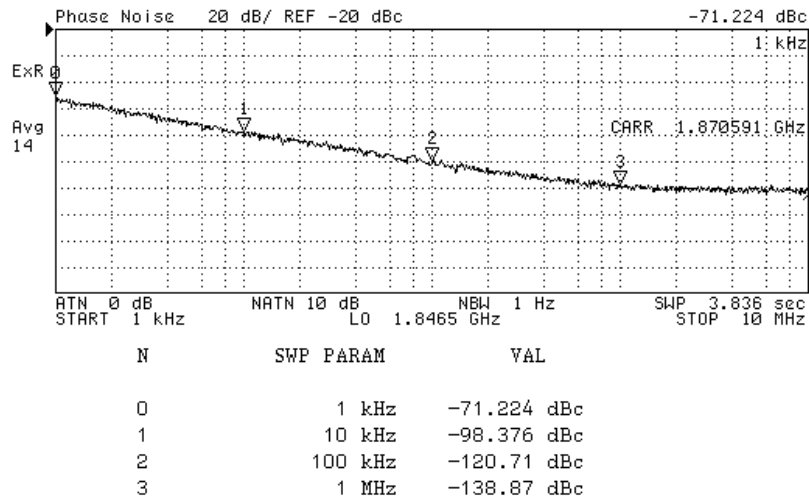
● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{\text{mm}}$

Product Control:

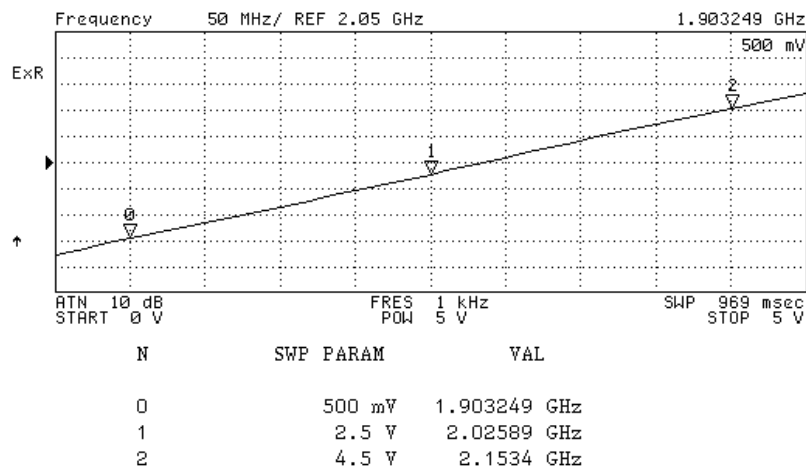
Crystek Part Number:	CRBV55BE-1950-2150	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-1950-2150	Release Date:	12-Dec-07
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Specification is subject to change without notice