

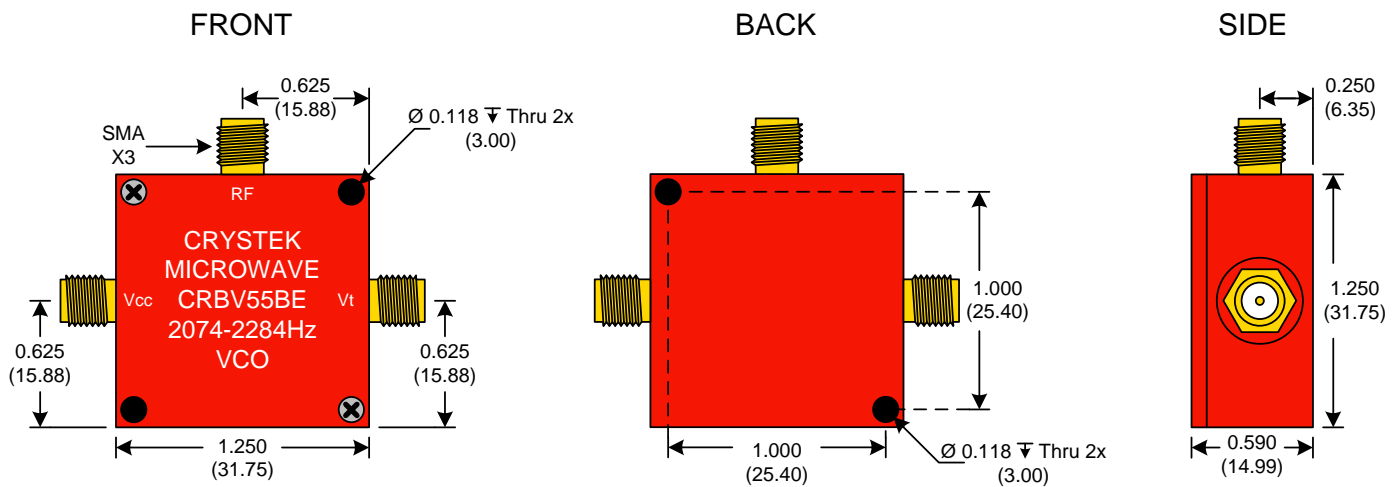


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-2074-2284



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2074	MHz
Upper Frequency:	2284			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:			27	mA
Harmonic Suppression (2 nd Harmonic)		-20		dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			1.5	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-100		dBc/Hz
Phase Noise @ 100kHz offset:		-123		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	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:

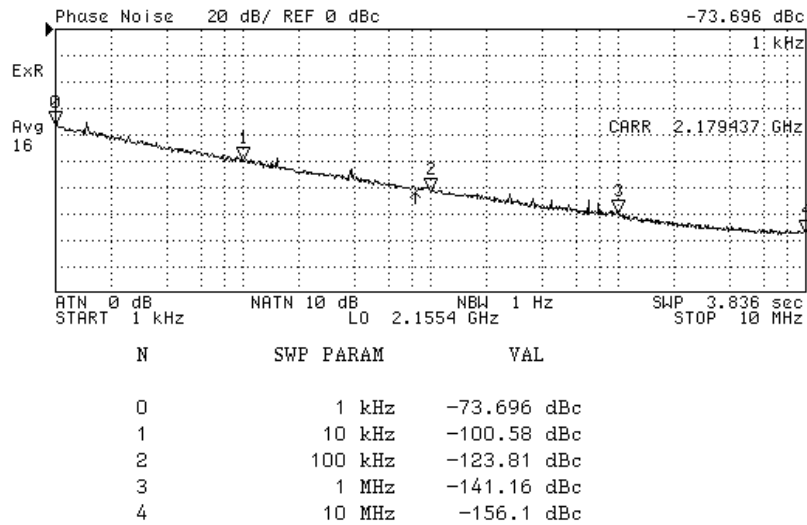
Crystek Part Number:	CRBV55BE-2074-2284	Release Date:	20-Dec-07
Revision Level:	A	Responsible:	C. Vales



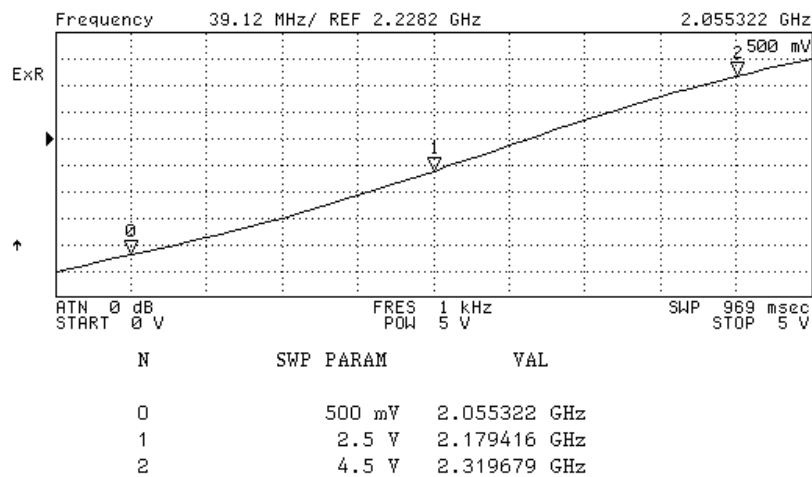
CRYSTEK
 CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice