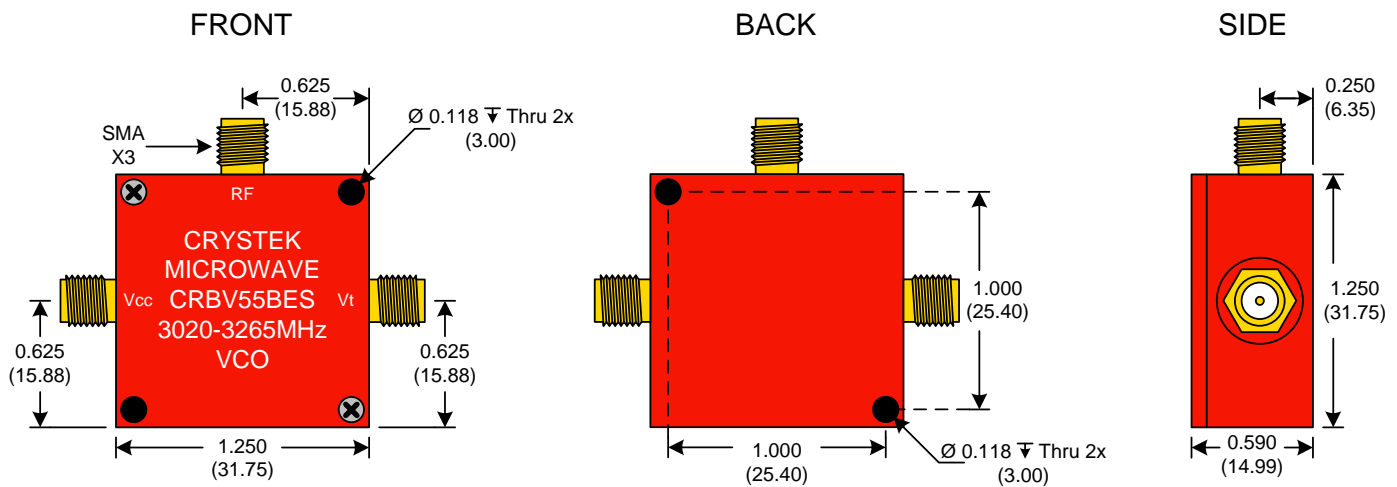


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BES-3020-3265



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			3020	MHz
Upper Frequency:	3265			MHz
Tuning Voltage:	0.5		11.5	VDC
Supply Voltage:	6.46	6.8	7.14	VDC
Output Power:	-2.0	+4.0	+10.0	dBm
Supply Current:		25	40	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:		3.0	5.0	MHz/V
Pulling, all Phases:		6.0	8.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-98	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-116	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:

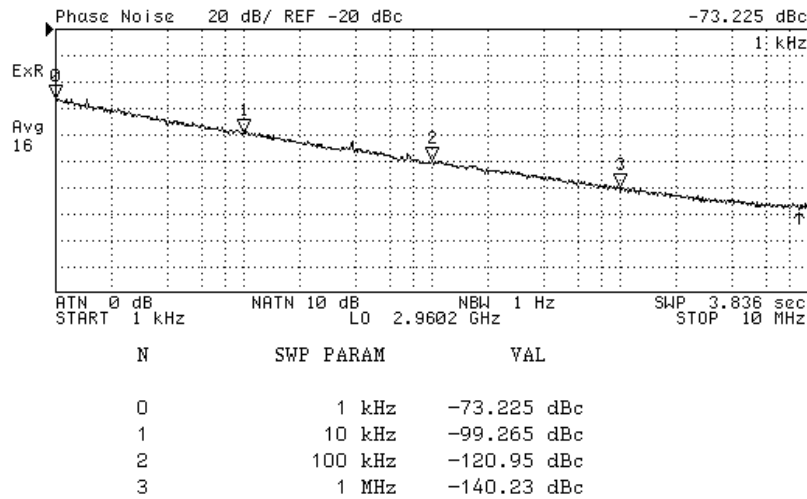
Crystek Part Number:	CRBV55BES-3020-3265	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



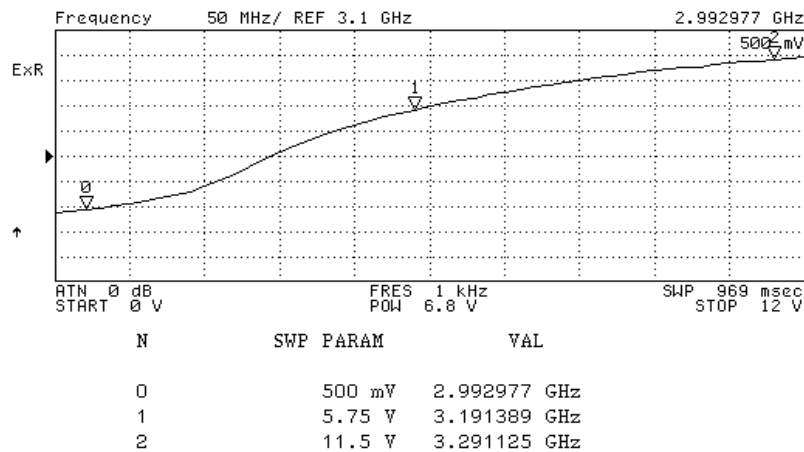
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 FAX: 239-561-1025 • WWW.CRYSTEK.COM

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BES-3020-3265	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice