

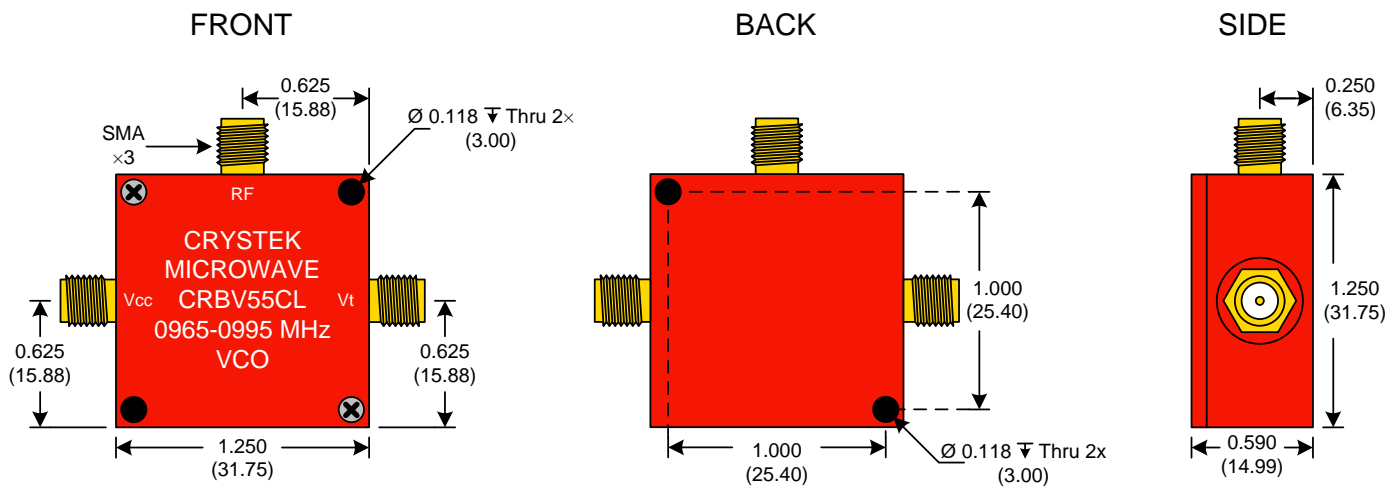


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55CL-0965-0995



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			965	MHz
Upper Frequency:	995			MHz
Tuning Voltage:	0.5		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+1.5	+4.5	+7.5	dBm
Supply Current:			32	mA
Harmonic Suppression (2 nd Harmonic)		-24	-10	dBc
Pushing:		0.5		MHz/V
Pulling, all Phases:		0.8		MHz pk-pk
Tuning Sensitivity:		16		MHz/V
Phase Noise @ 10kHz offset:		-111		dBc/Hz
Phase Noise @ 100kHz offset:		-132		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C



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

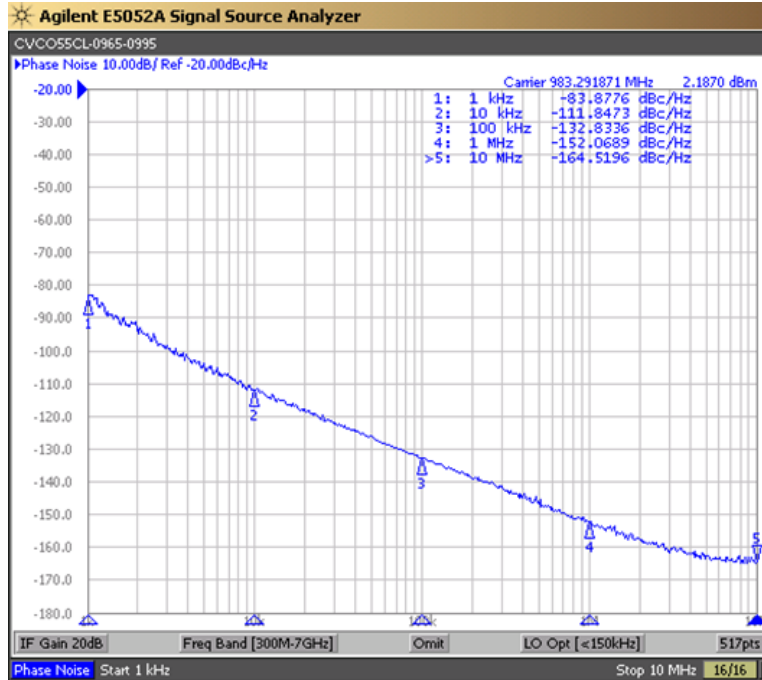
Product Control:

Crystek Part Number:	CRBV55CL-0965-0995	Release Date:	25-Aug-10
Revision Level:	A	Responsible:	C. Vales

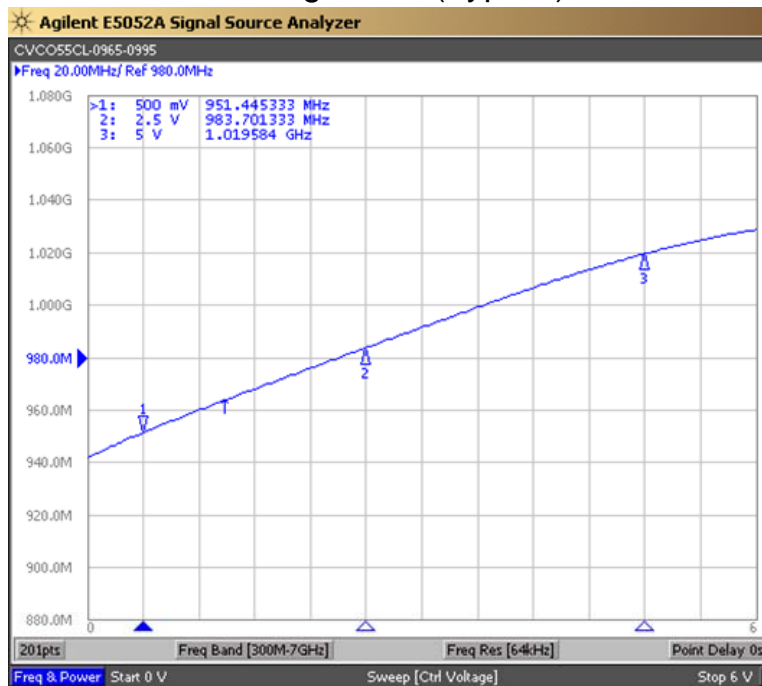




Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CL-0965-0995	Release Date:	25-Aug-10
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice

