

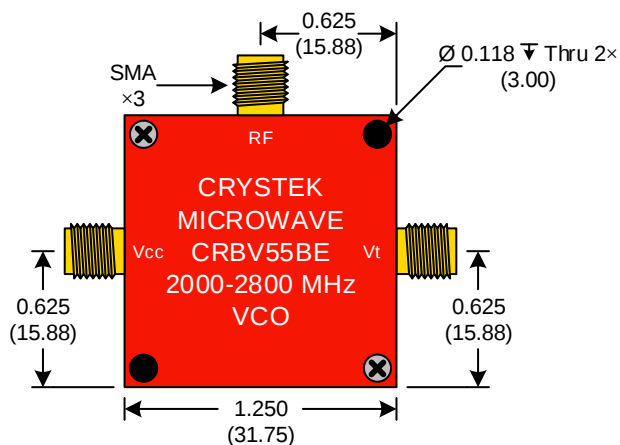
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-2000-2800

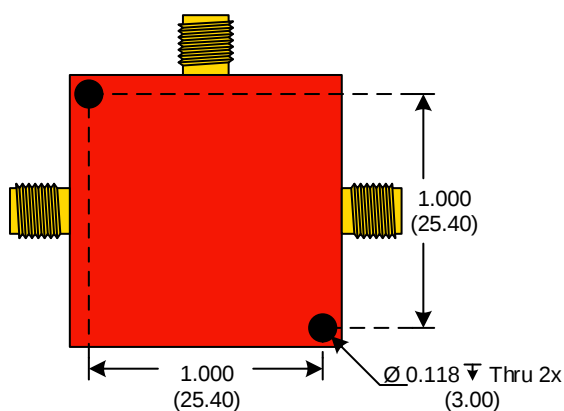


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2000	MHz
Upper Frequency:	2800			MHz
Tuning Voltage:	1.0		24.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+5.0	+10.0	dBm
Supply Current:			25	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:			5.0	MHz/V
Pulling, all Phases:			10.0	MHz pk-pk
Tuning Sensitivity:		70		MHz/V
Phase Noise @ 10kHz offset:		-92		dBc/Hz
Phase Noise @ 100kHz offset:		-112		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

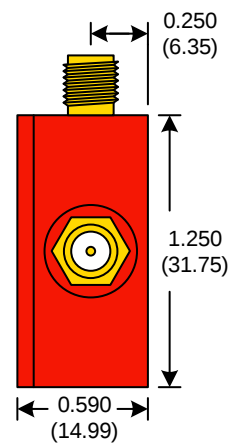
FRONT



BACK



SIDE



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

Product Control:

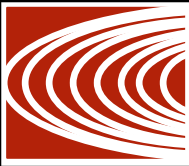
Crystek Part Number:	CRBV55BE-2000-2800	Release Date:	26-Oct-2020
Revision Level:	E	Responsible:	C. Vales

Page 1 of 2

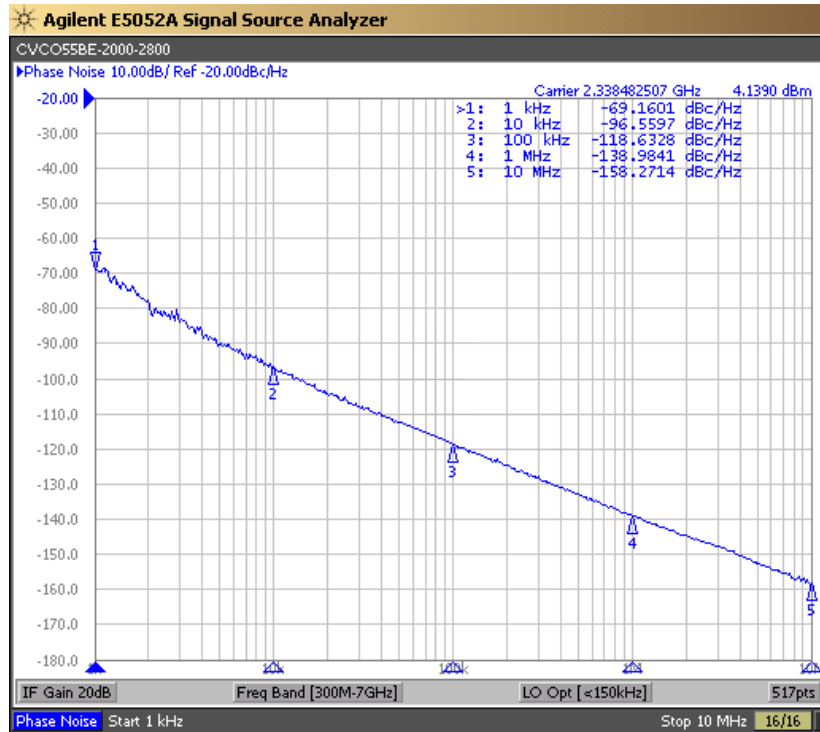


CRYSTEK
CORPORATION

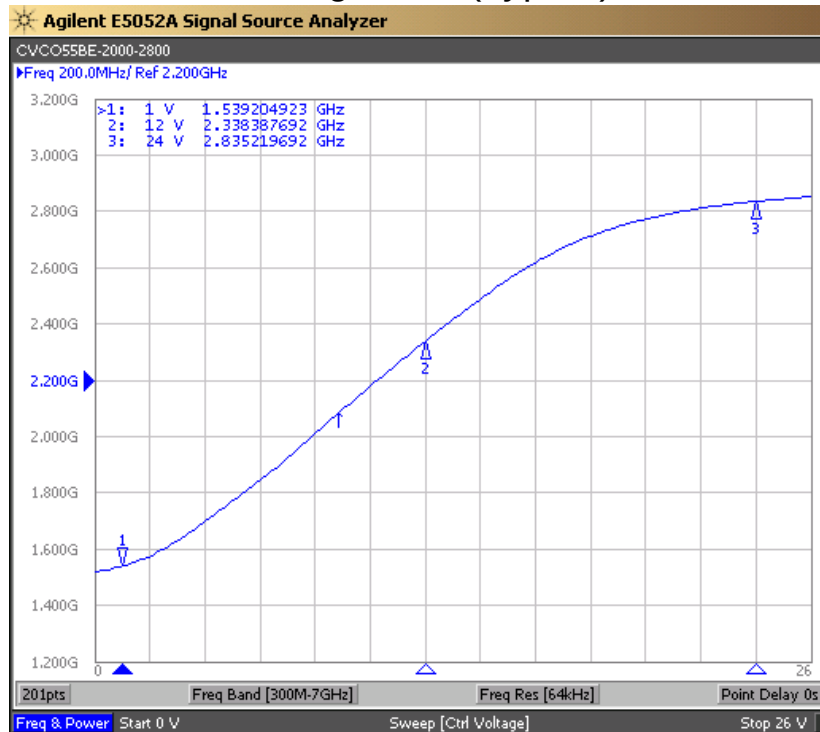
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-2000-2800	Release Date:	26-Oct-2020
Revision Level:	E	Responsible:	C. Vales

Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Crystek:](#)

[CRBV55BE-2000-2800](#)