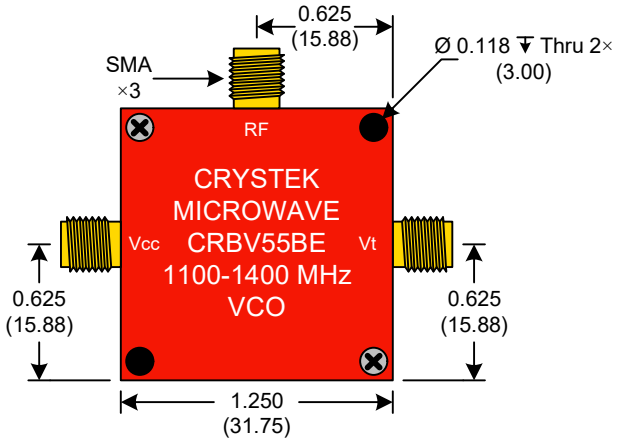
CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1100-1400

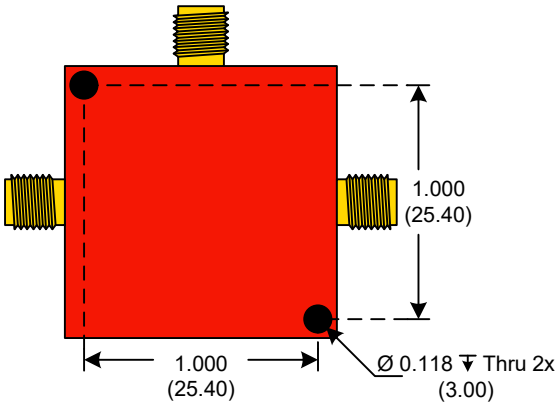
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1100	MHz
Upper Frequency:	1400			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+5.0	+7.5	+10.0	dBm
Supply Current:		20		mA
Harmonic Suppression (2nd Harmonic)		-10		dBc
Pushing:			3.0	MHz/V
Pulling, all Phases:			13.0	MHz pk-pk
Tuning Sensitivity:		130		MHz/V
Phase Noise @ 10kHz offset:		-97		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			75	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

RoHS Compliant

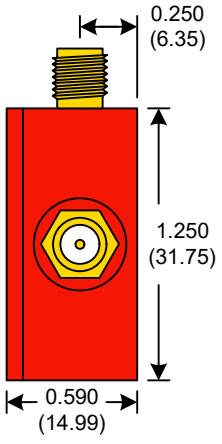
FRONT



BACK



SIDE



● Unless otherwise specified, Dimensions are in: IN / (mm)

Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

Product Control:			
Crystek Part Number:	CRBV55BE-1100-1400	Release Date:	05-Jan-2026
Revision Level:	C	Responsible:	C. Vales

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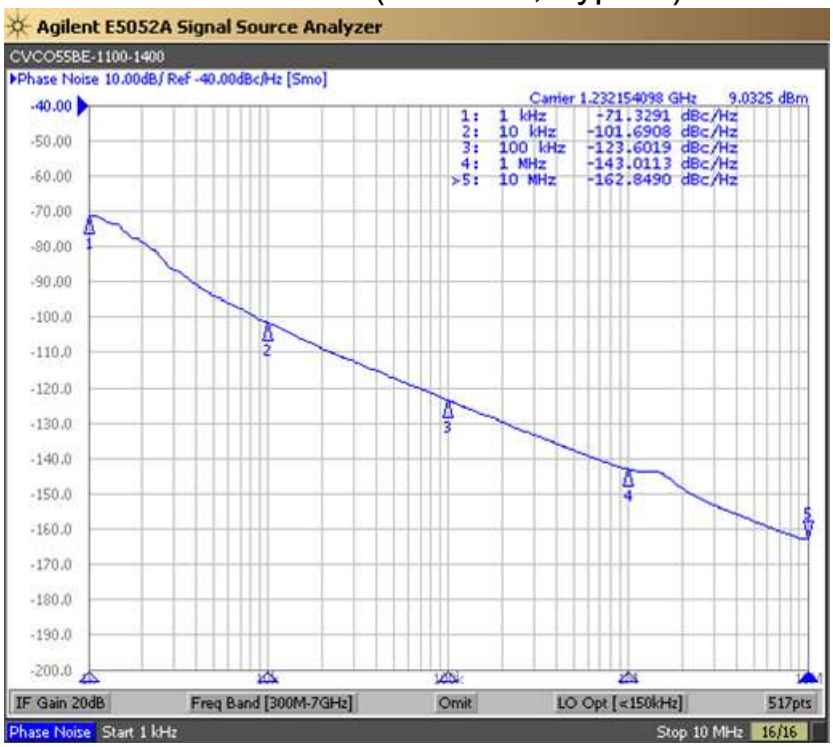
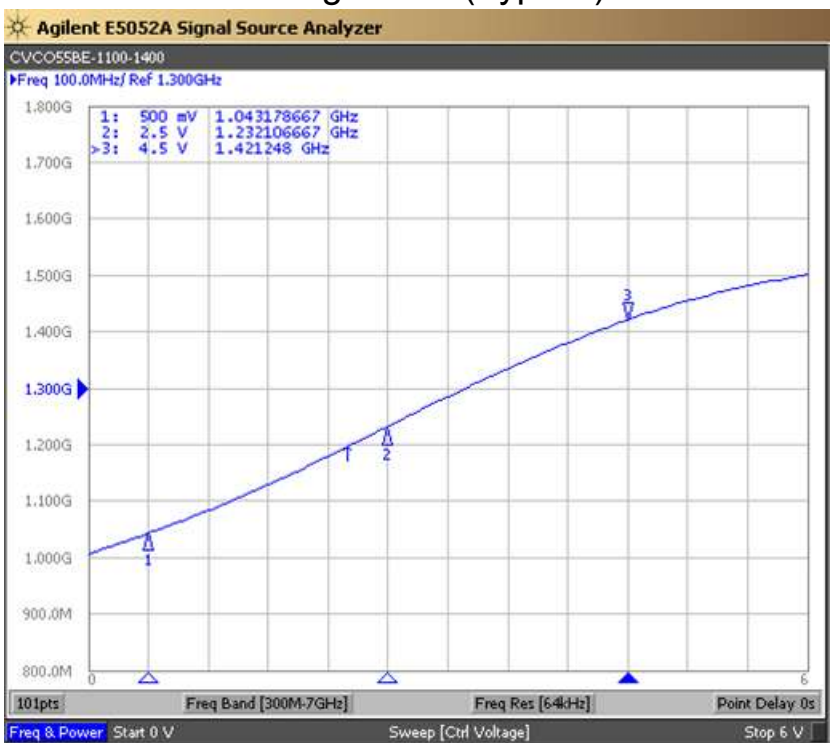
Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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