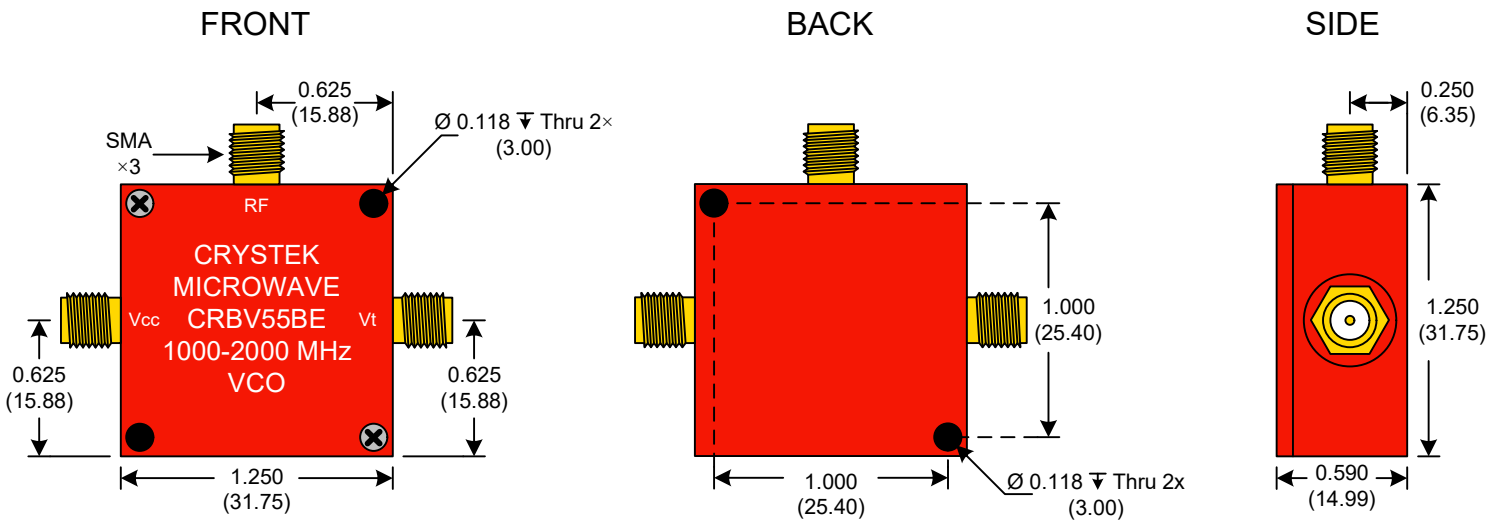




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1000	MHz
Upper Frequency:	2000			MHz
Tuning Voltage:	1.0		20.5	VDC
Supply Voltage:	9.75	10.0	10.25	VDC
Output Power:	+5.0	+9.0	+13.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic)		-10	-5	dBc
Pushing:		2.5	5.0	MHz/V
Pulling, all Phases:		7.5	15.0	MHz pk-pk
Tuning Sensitivity:		53		MHz/V
Phase Noise @ 10kHz offset:		-95		dBc/Hz
Phase Noise @ 100kHz offset:		-115		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			33	pF
Operating Temperature Range:	-20		+70	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

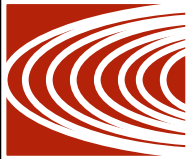


Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

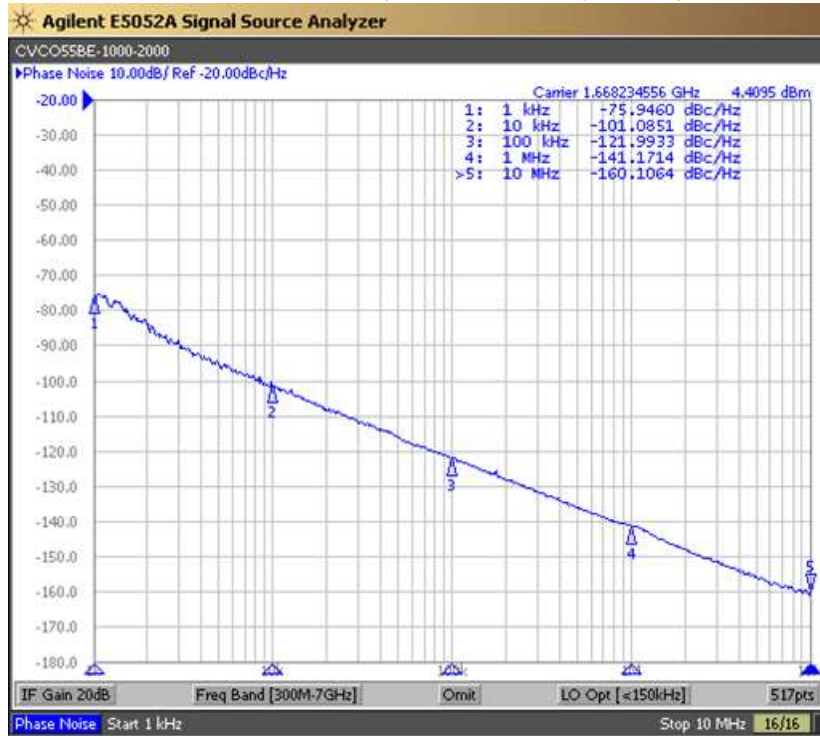
Product Control:

Crystek Part Number:	CRBV55BE-1000-2000	Release Date:	16-Apr-2026
Revision Level:	K	Responsible:	C. Vales

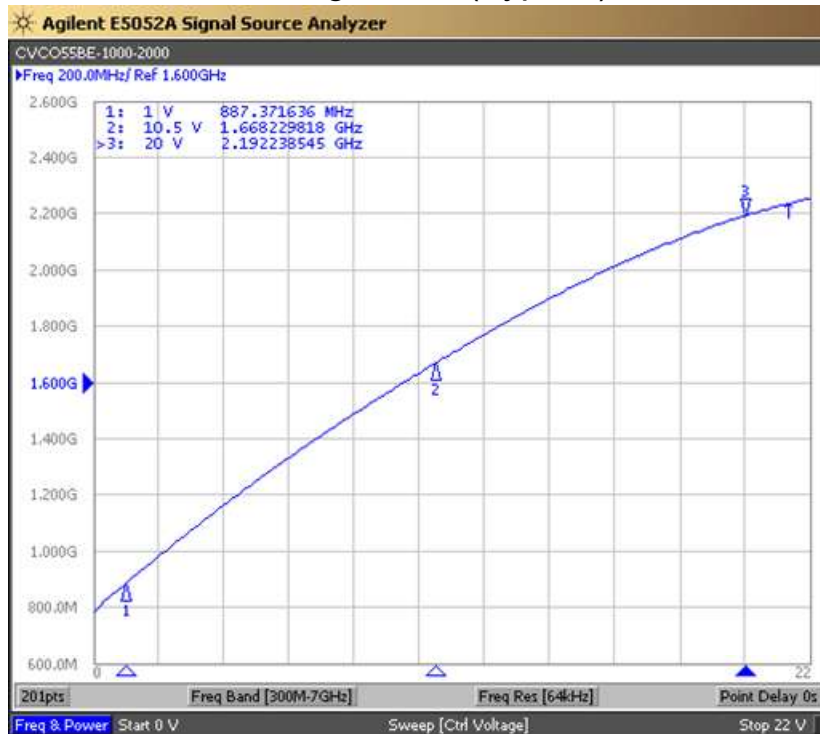
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-1000-2000	Release Date:	16-Apr-2026
Revision Level:	K	Responsible:	C. Vales

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