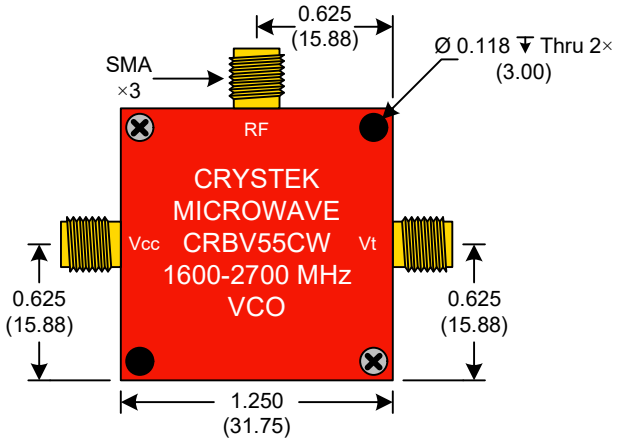
CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-1600-2700

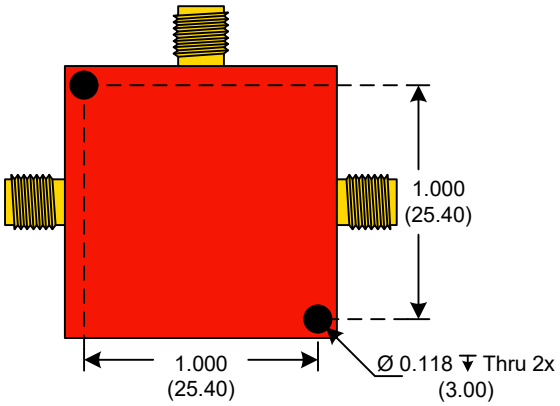
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1600	MHz
Upper Frequency:	2700			MHz
Tuning Voltage:	1.0		20.0	VDC
Supply Voltage:	9.5	10.0	10.5	VDC
Output Power:	-2.0	+3.0	+8.0	dBm
Supply Current:		22		mA
Harmonic Suppression (2nd Harmonic)		-15		dBc
Pushing:			5.0	MHz/V
Pulling, all Phases:			7.0	MHz pk-pk
Tuning Sensitivity:		84		MHz/V
Phase Noise @ 10kHz offset:		-94	-89	dBc/Hz
Phase Noise @ 100kHz offset:		-114		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

RoHS Compliant

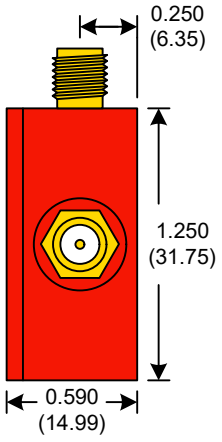
FRONT



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:	CRBV55CW-1600-2700	Release Date:	01-Jun-2026
Revision Level:	C	Responsible:	C. Vales

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Phone: 239-561-3311 • 800-237-3061
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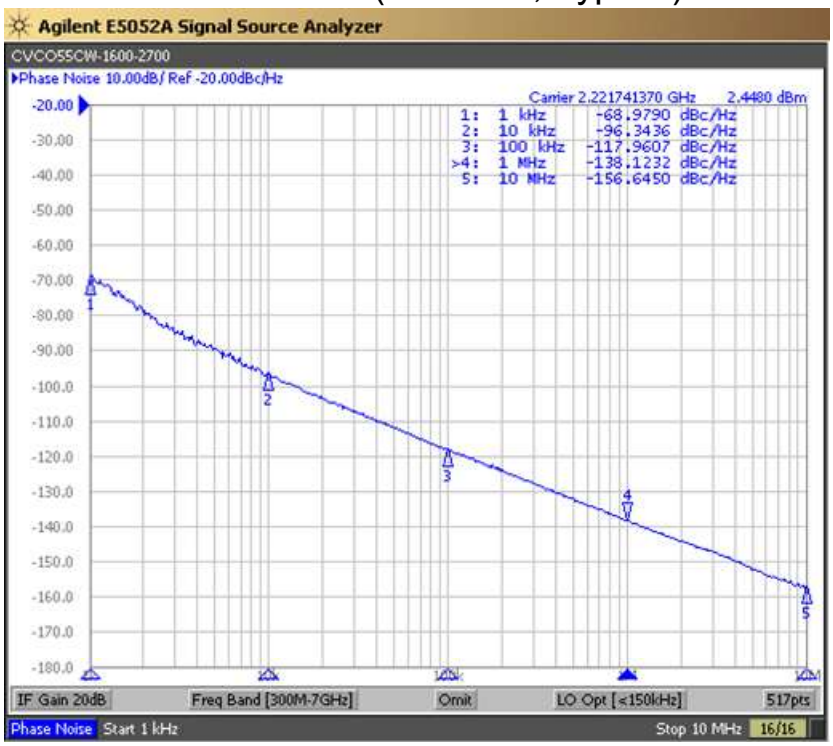
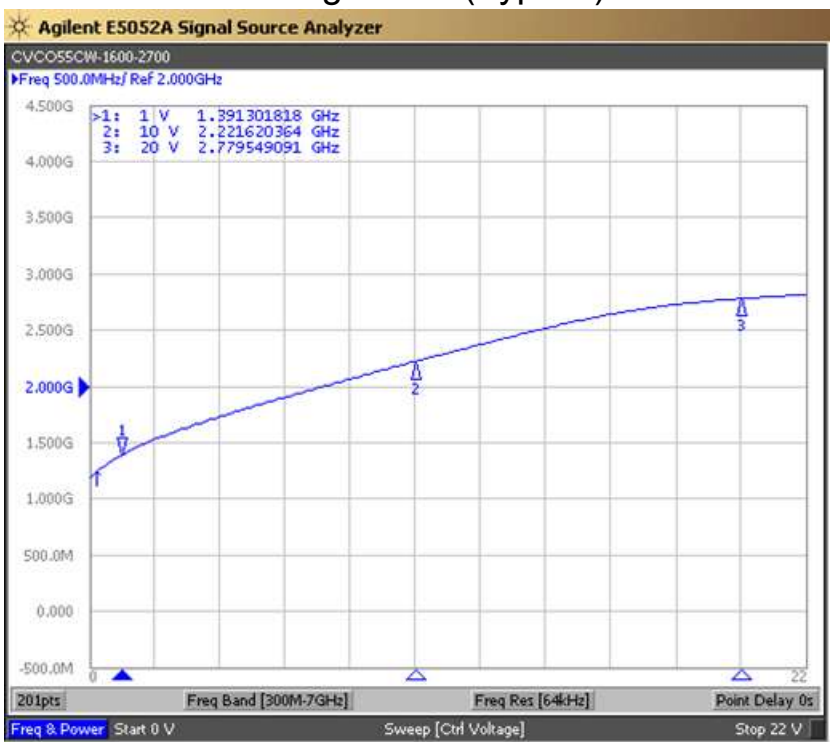
Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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