



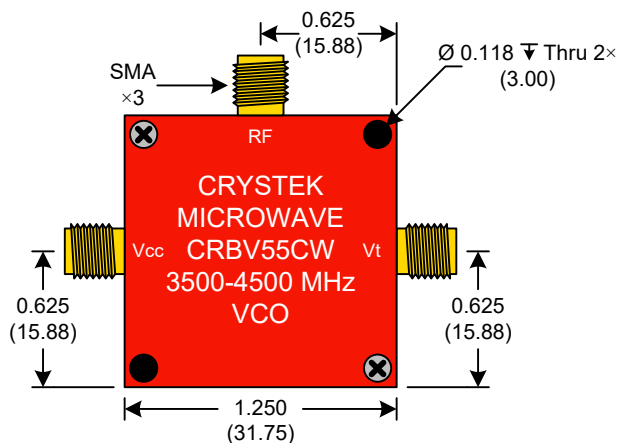
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MICROWAVE
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RedBox VCO
CRBV55CW-3500-4500

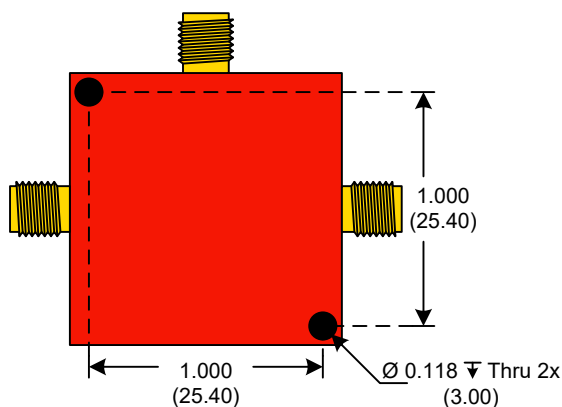


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			3500	MHz
Upper Frequency:	4500			MHz
Tuning Voltage:	0.5		14.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		30		mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:		5.0		MHz/V
Pulling, all Phases:		20.0		MHz pk-pk
Tuning Sensitivity:		90		MHz/V
Phase Noise @ 10kHz offset:		-80		dBc/Hz
Phase Noise @ 100kHz offset:		-100		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			27	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

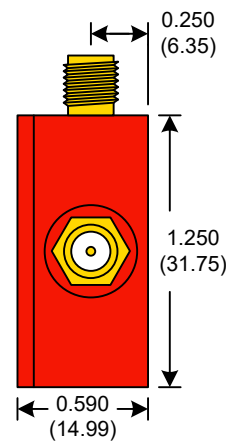
FRONT



BACK



SIDE



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



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

Product Control:

Crystek Part Number:	CRBV55CW-3500-4500	Release Date:	17-May-2023
Revision Level:	C	Responsible:	C. Vales

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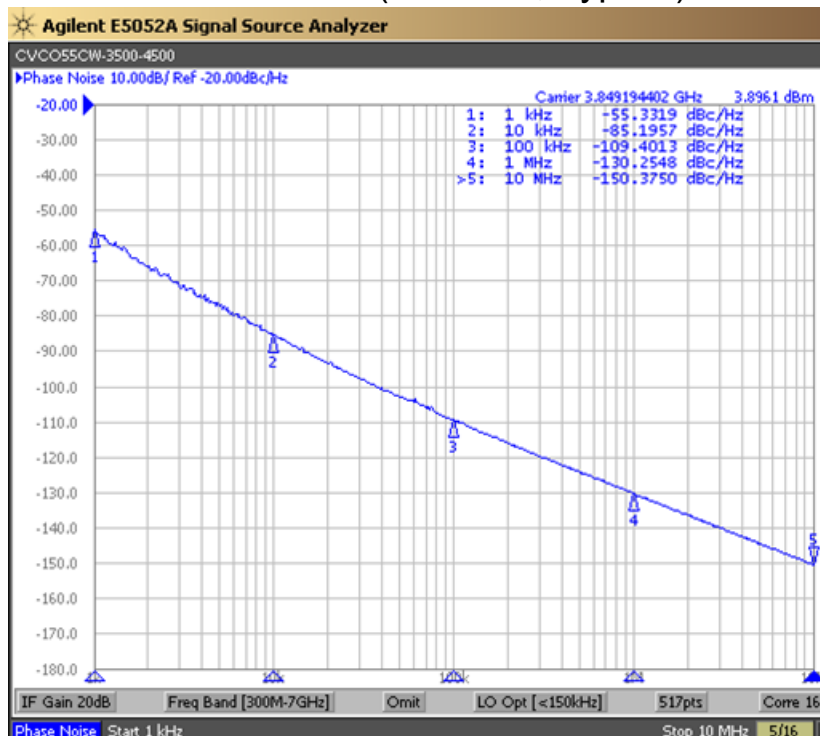
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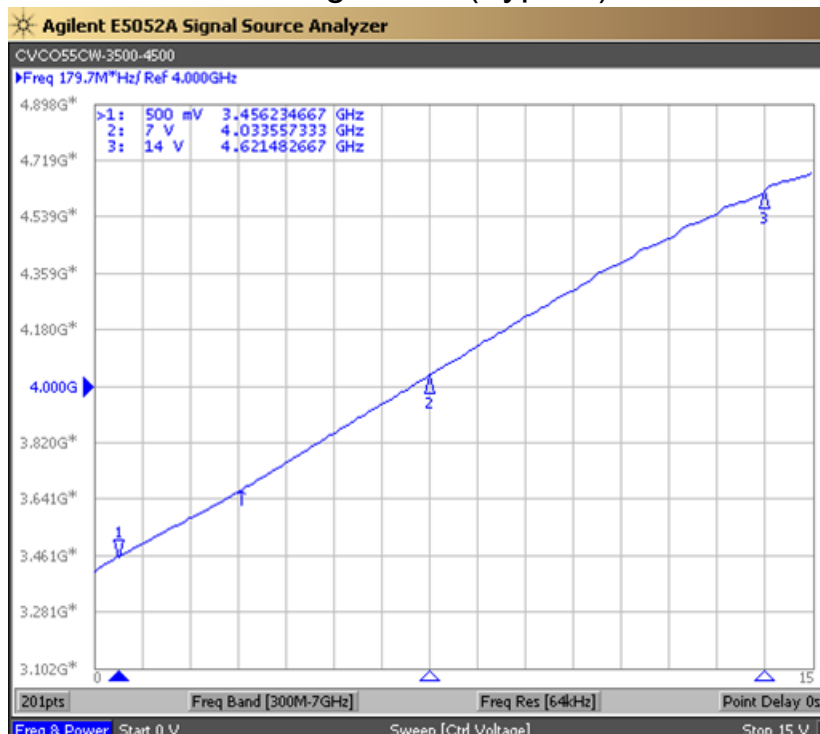
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RedBox VCO
CRBV55CW-3500-4500

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CW-3500-4500	Release Date:	17-May-2023
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