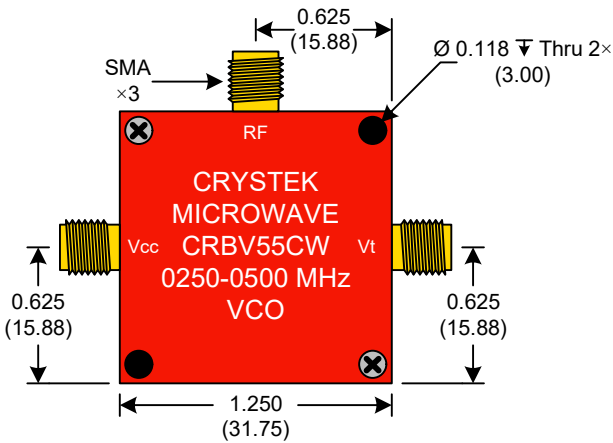




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			250	MHz
Upper Frequency:	500			MHz
Tuning Voltage:	0.5		19.0	VDC
Supply Voltage:	14.25	15.0	15.75	VDC
Output Power:	-3.0	+0.5	+4.0	dBm
Supply Current:		15	20	mA
Harmonic Suppression (2 nd Harmonic)		-8		dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		3.0	6.0	MHz pk-pk
Tuning Sensitivity:		75		MHz/V
Phase Noise @ 10kHz offset:		-101	-97	dBc/Hz
Phase Noise @ 100kHz offset:		-122	-118	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

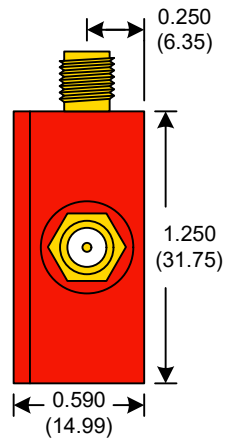
FRONT



BACK



SIDE



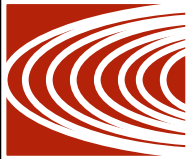
● Unless otherwise specified, Dimensions are in: $\frac{IN}{(mm)}$



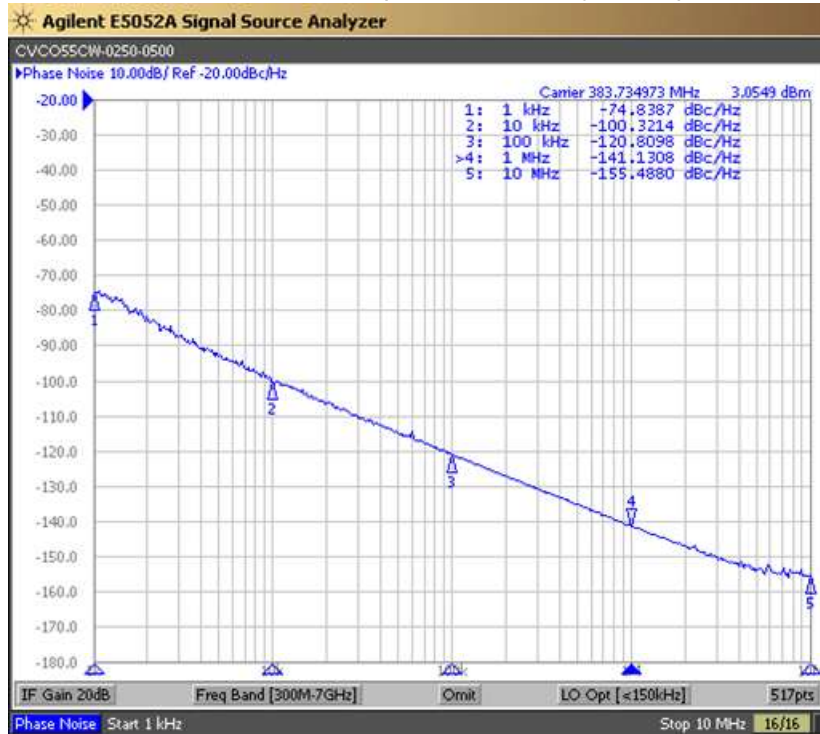
Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

Product Control:

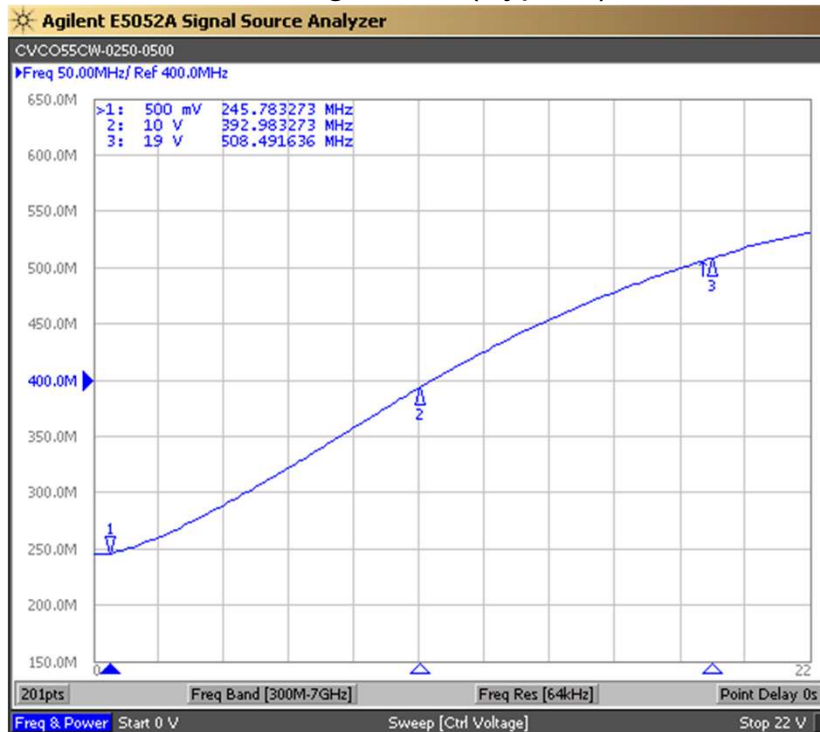
Crystek Part Number:	CRBV55CW-0250-0500	Release Date:	12-Mar-2026
Revision Level:	E	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CW-0250-0500	Release Date:	12-Mar-2026
Revision Level:	E	Responsible:	C. Vales

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