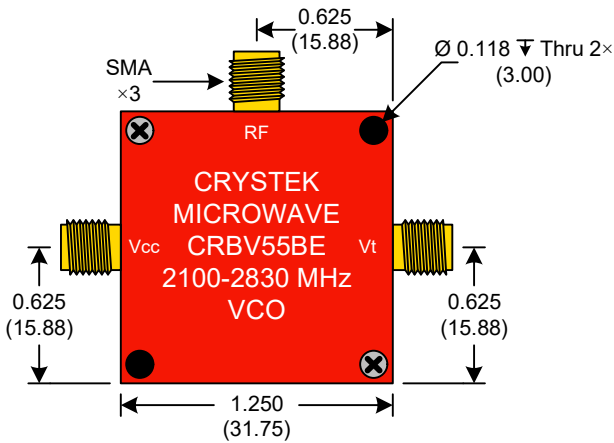




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2100	MHz
Upper Frequency:	2830			MHz
Tuning Voltage:	0.5		25.0	VDC
Supply Voltage:	11.5	12.0	12.5	VDC
Output Power:	+2.5	+6.0	+9.5	dBm
Supply Current:			35	mA
Harmonic Suppression (2 nd Harmonic)			-8	dBc
Pushing:			5.0	MHz/V
Pulling, all Phases:			25.0	MHz pk-pk
Tuning Sensitivity:		36		MHz/V
Phase Noise @ 10kHz offset:			-95	dBc/Hz
Phase Noise @ 100kHz offset:			-120	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			15	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

FRONT



BACK



SIDE



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

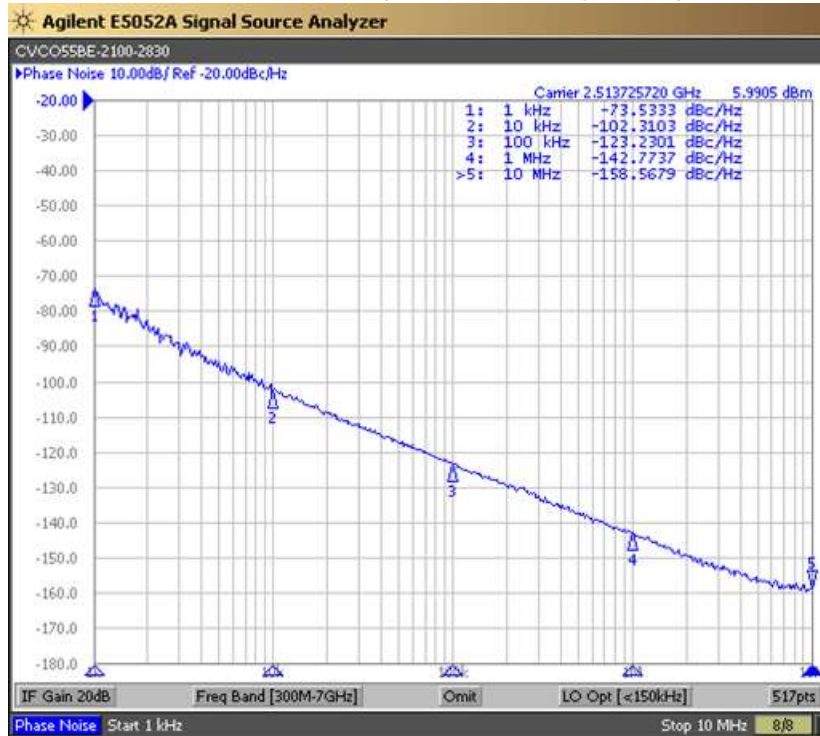


Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

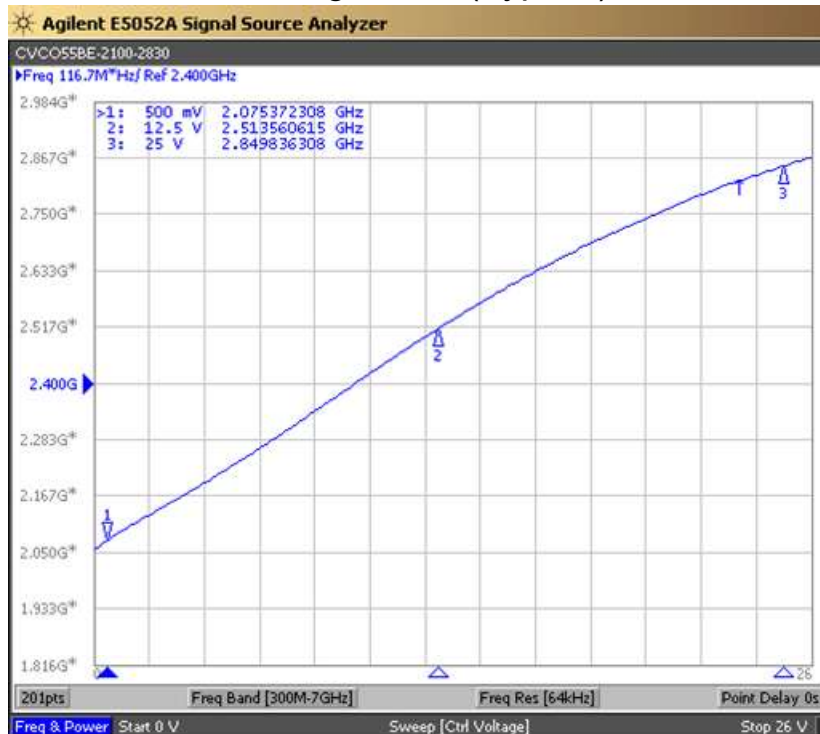
Product Control:

Crystek Part Number:	CRBV55BE-2100-2830	Release Date:	20-Feb-2026
Revision Level:	C	Responsible:	C. Vales

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55BE-2100-2830	Release Date:	20-Feb-2026
Revision Level:	C	Responsible:	C. Vales

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