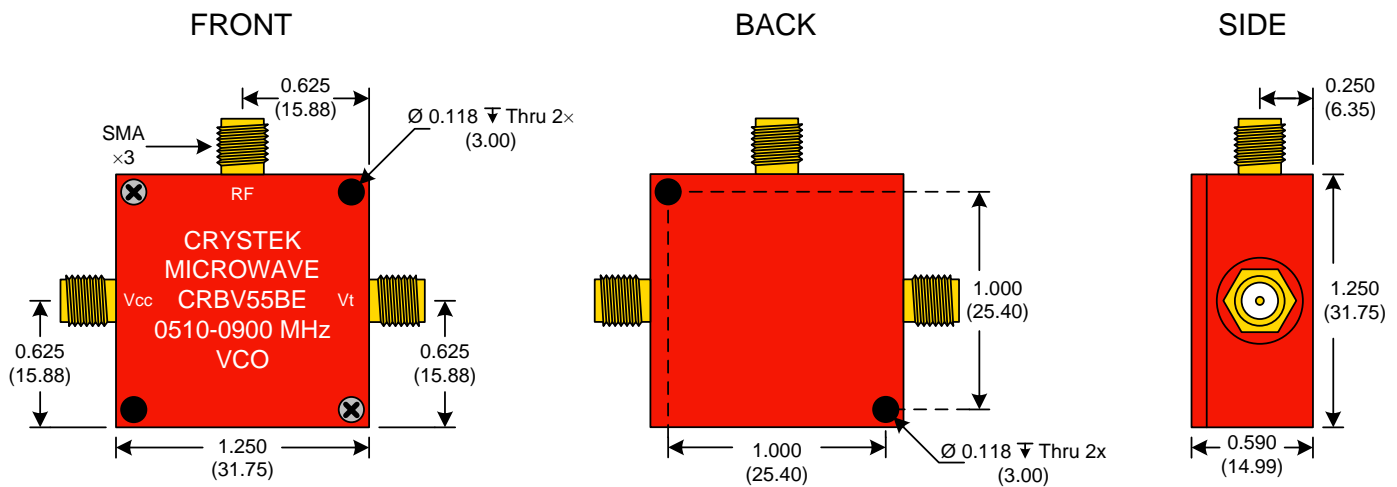


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			510	MHz
Upper Frequency:	900			MHz
Tuning Voltage:	0.5		10.0	VDC
Supply Voltage:	11.4	12.0	12.6	VDC
Output Power:	+7.5	+10.0	+12.5	dBm
Supply Current:		29		mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-20		dBc
Pushing:		0.3	0.6	MHz/V
Pulling, all Phases:		5.0	10.0	MHz pk-pk
Tuning Sensitivity:		55		MHz/V
Phase Noise @ 10kHz offset:		-103	-97	dBc/Hz
Phase Noise @ 100kHz offset:		-123	-117	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

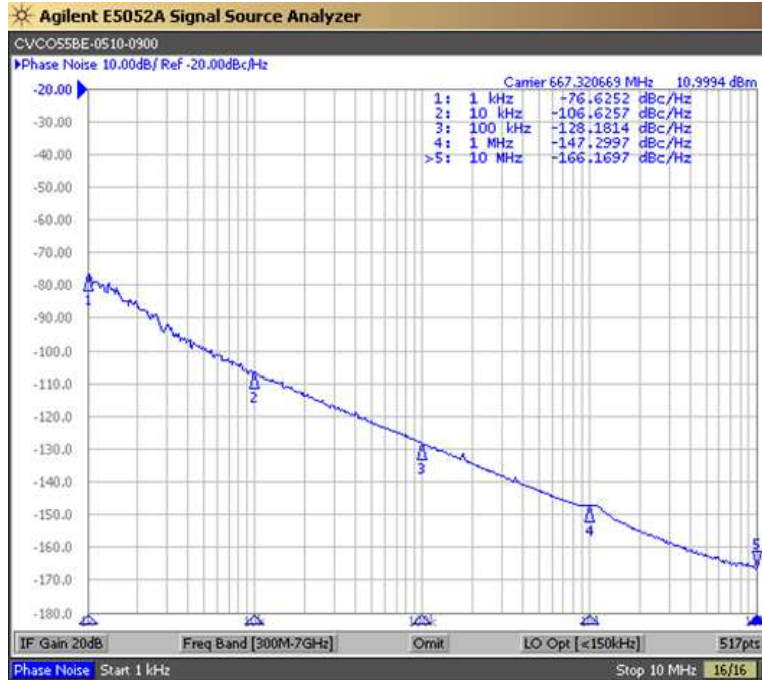
**Product Control:**

Crystek Part Number:	CRBV55BE-0510-0900	Release Date:	28-Jan-11
Revision Level:	A	Responsible:	C. Vales

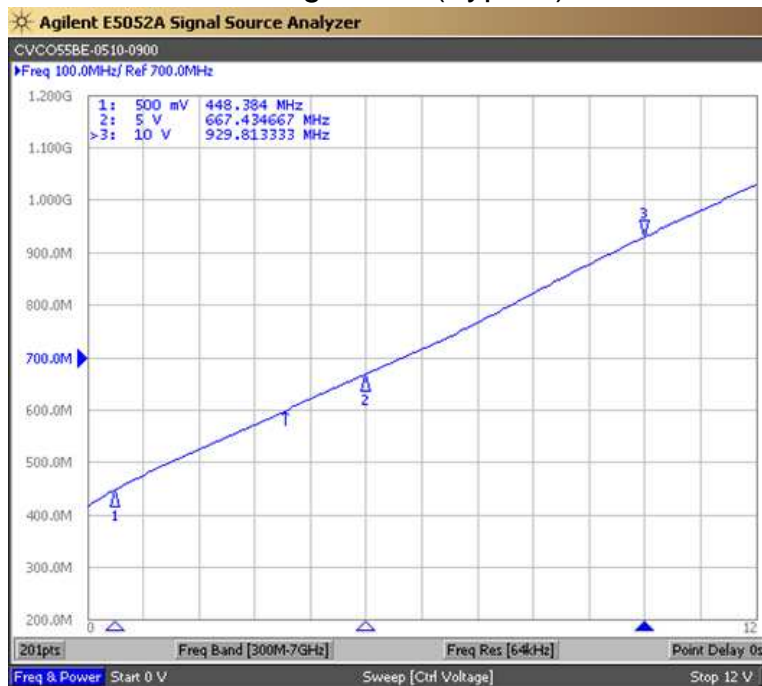




Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-0510-0900	Release Date:	28-Jan-11
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice

