



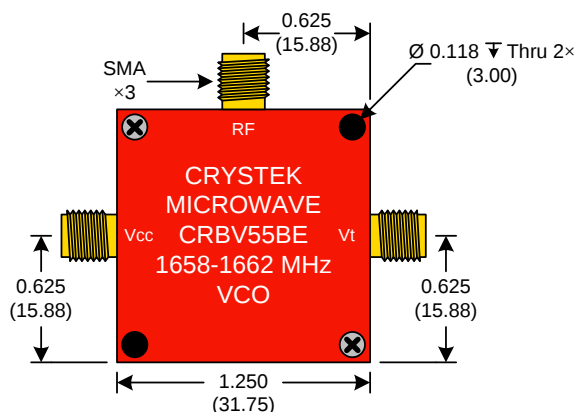
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55BE-1658-1662

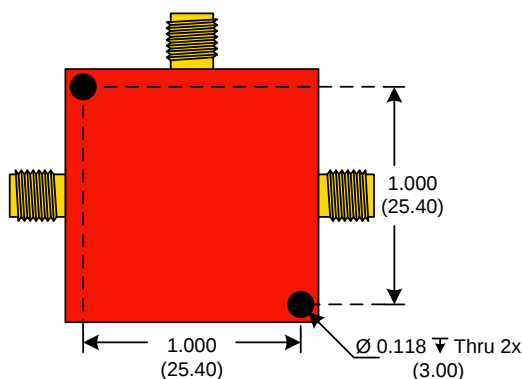


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1658	MHz
Upper Frequency:	1662			MHz
Tuning Voltage:	0.5		2.0	VDC
Supply Voltage:	7.8	8.0	8.2	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:		3.0	5.0	MHz/V
Pulling, all Phases:		3.0	5.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-106	-102	dBc/Hz
Phase Noise @ 100kHz offset:		-127	-124	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

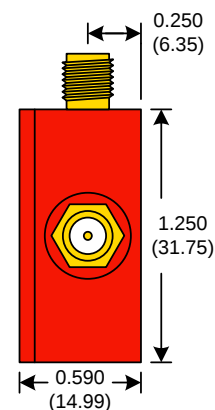
FRONT



BACK



SIDE



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

Product Control:

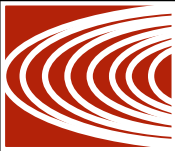
Crystek Part Number:	CRBV55BE-1658-1662	Release Date:	30-Jan-2014
Revision Level:	D	Responsible:	C. Vales

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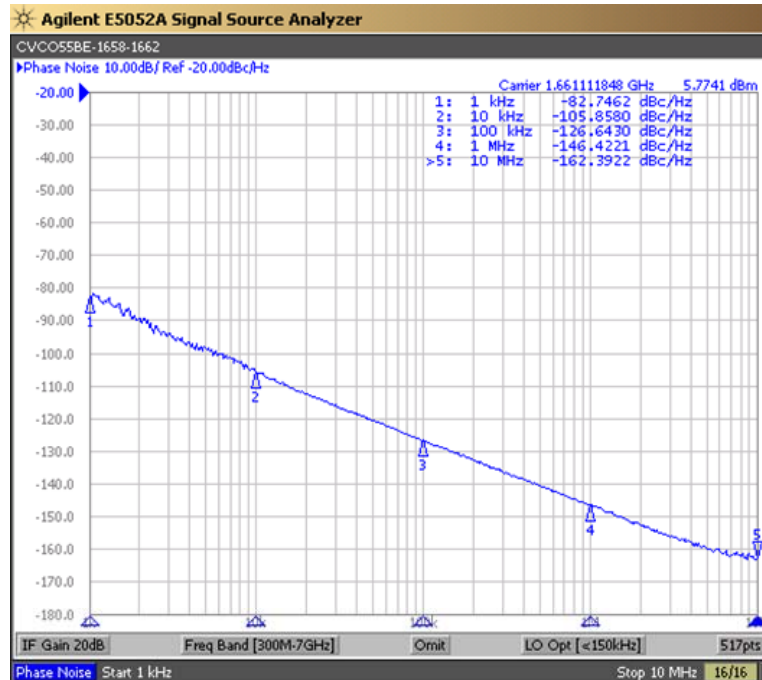
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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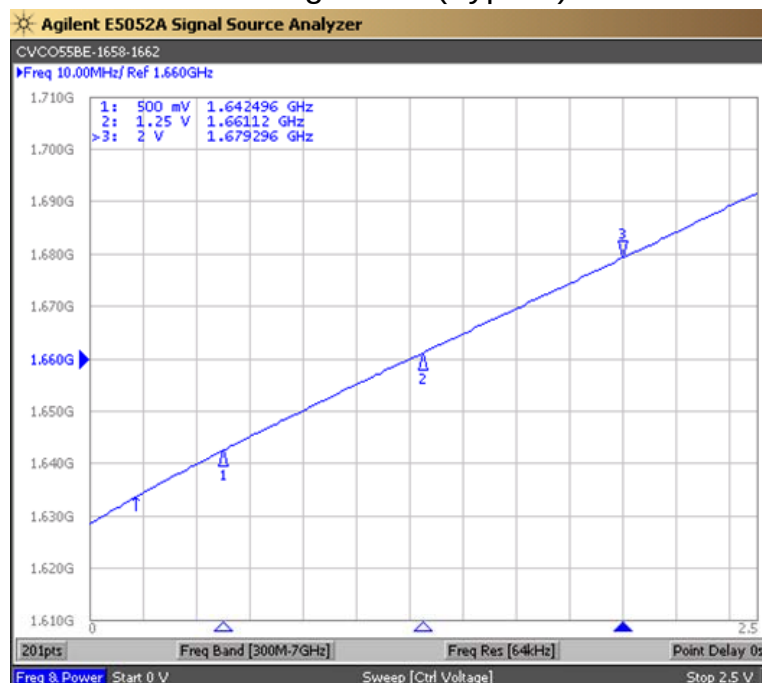
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RedBox VCO
CRBV55BE-1658-1662

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

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