

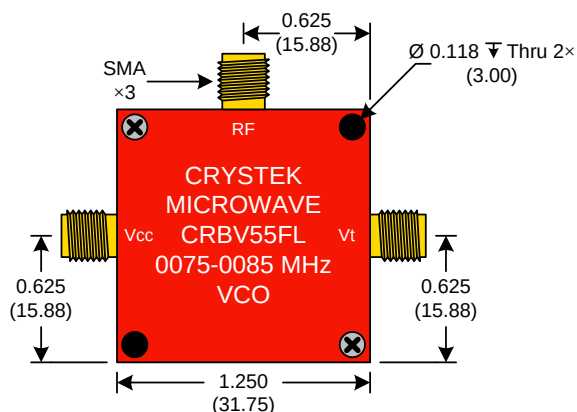
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55FL-0075-0085

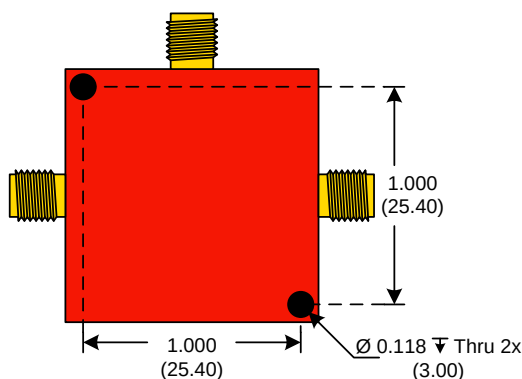


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			75	MHz
Upper Frequency:	85			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+7.0	+9.0	+11.0	dBm
Supply Current:			5	mA
Harmonic Suppression (2 nd Harmonic)		-20	-12	dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		5		MHz/V
Phase Noise @ 10kHz offset:		-123	-120	dBc/Hz
Phase Noise @ 100kHz offset:		-144	-141	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			330	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

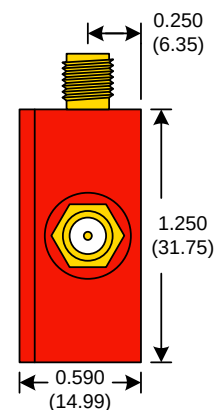
FRONT



BACK



SIDE



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

Product Control:

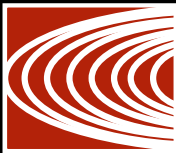
Crystek Part Number:	CRBV55FL-0075-0085	Release Date:	04-Aug-11
Revision Level:	B	Responsible:	C. Vales

Page 1 of 2



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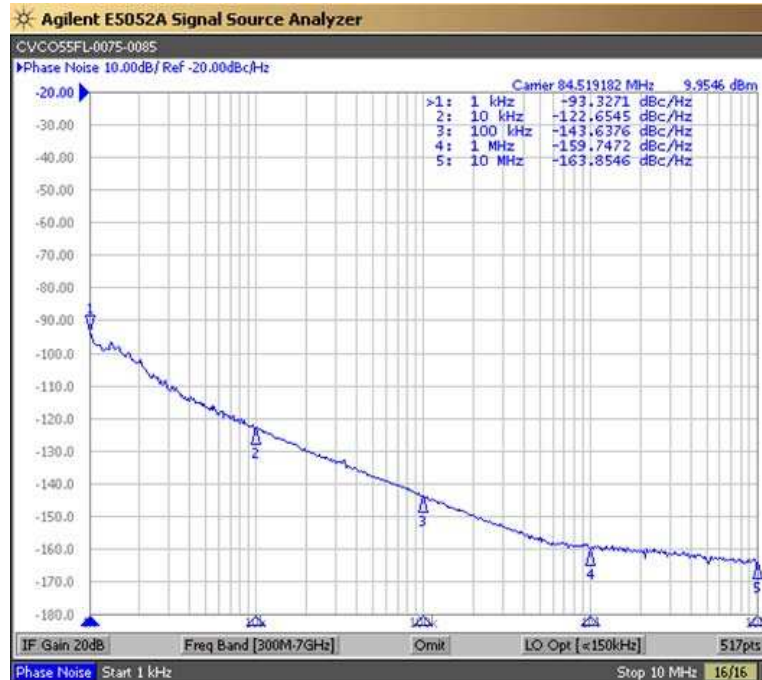
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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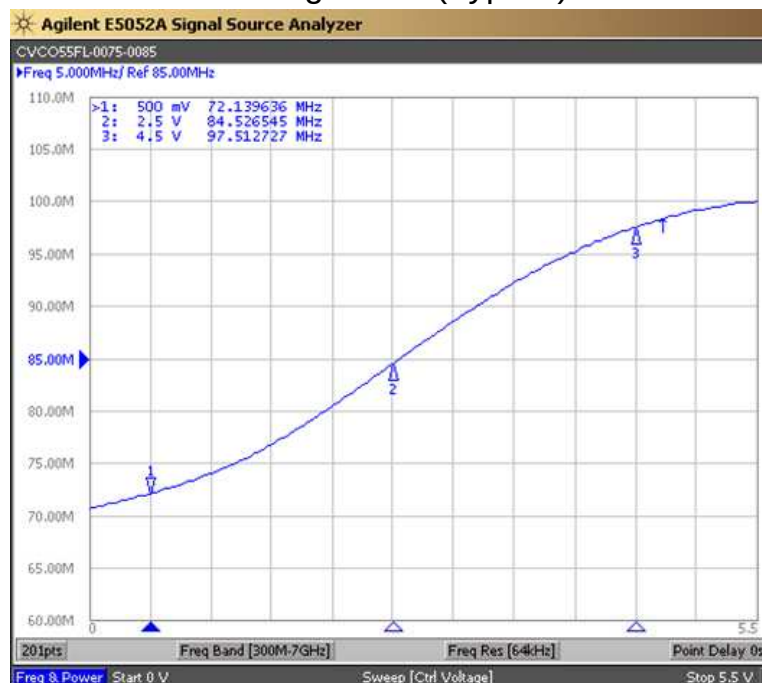
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CRBV55FL-0075-0085

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

Page 2 of 2



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